# American Journal of Obstetrics and Gynecology

## **Editors**

JOHN I. BREWER, Editor in Chief

FREDERICK P. ZUSPAN, E. J. QUILLIGAN, Editors

ALBERT B. GERBIE; Associate Editor

HOWARD C. TAYLOR, JR., ALLAN C. BARNES, Emeritus Editors

# Advisory committee on policy

C. D. Christian Leo J. Dunn David Figge Fred T. Given A. Brian Little Edgar L. Makowski George D. Malkasian Roy T. Parker W. Ann Reynolds J. C. G. Whetham

# Board of corresponding editors

Oscar Aguero, Caracas Frederick Kubli, Heidelberg Pierre O. Hubinont, Brussels Malcolm Symonds, Nottingham Ichiro Taki, Fukuoka

Volume 136 January-April, 1980 The C. V. Mosby Company St. Louis 1980 in addition to those listed on the front cover the Journal is the official publication of the following societies

NEW YORK OBSTETRICAL SOCIETY OBSTETRICAL SOCIETY OF PHILADELPHIA BROOKLYN GYNECOLOGICAL SOCIETY ST. LOUIS GYNECOLOGICAL SOCIETY NEW ORLEANS GYNECOLOGICAL AND OBSTETRICAL SOCIETY THE OBSTETRICAL AND GYNECOLOGICAL SOCIETY OF MARYLAND CHICAGO GYNECOLOGICAL SOCIETY CINCINNATI OBSTETRICAL AND GYNECOLOGICAL SOCIETY WASHINGTON GYNECOLOGICAL SOCIETY PITTSBURGH OBSTETRICAL AND GYNECOLOGICAL SOCIETY BOSTON OBSTETRICAL SOCIETY LOUISVILLE OBSTETRICAL AND GYNECOLOGICAL SOCIETY SEATTLE GYNECOLOGICAL SOCIETY ALABAMA ASSOCIATION OF OBSTETRICIANS AND GYNECOLOGISTS AKRON OBSTETRICAL AND GYNECOLOGICAL SOCIETY KANSAS CITY GYNECOLOGICAL SOCIETY CENTRAL NEW YORK ASSOCIATION OF GYNECOLOGISTS AND OBSTETRICIANS NEW JERSEY OBSTETRICAL AND GYNECOLOGICAL SOCIETY IOWA OBSTETRIC AND GYNECOLOGIC SOCIETY THE TEXAS ASSOCIATION OF OBSTETRICIANS AND GYNECOLOGISTS OKLAHOMA CITY OBSTETRICAL AND GYNECOLOGICAL SOCIETY MEMPHIS OBSTETRICAL AND GYNECOLOGICAL SOCIETY UTAH OBSTETRICAL AND GYNECOLOGICAL SOCIETY ROCHESTER OBSTETRICAL AND GYNECOLOGICAL SOCIETY

ARKANSAS OBSTETRICAL AND GYNECOLOGICAL SOCIETY
TENNESSEE STATE OBSTETRICAL AND GYNECOLOGICAL SOCIETY
NEW YORK GYNECOLOGICAL SOCIETY
PACIFIC NORTHWEST OBSTETRICAL AND GYNECOLOGICAL ASSOCIATION
BUFFALO OBSTETRICAL AND GYNECOLOGICAL SOCIETY
SAN FRANCISCO GYNECOLOGICAL SOCIETY
JACKSON GYNECIC SOCIETY
INDIANA OBSTETRICAL AND GYNECOLOGICAL SOCIETY
THE MINNESOTA OBSTETRICAL AND GYNECOLOGICAL SOCIETY

Volume 136 Copyright © 1980 by The C. V. Mosby Company (All rights reserved)

Printed in the United States of America

## Index to volume 136

## Author index\*

ABITBOL, M. MAURICE, DEMETER, EMERICK, and BENAROCH, THIERRY. Uterine and ovarian artery blood flow in the pregnant dog, 780

ABRAMS, ROBERT (see CLAPP ET AL.), 1045

Adamson, G. David, Cousin, Alan J., and Gare, Douglas J. Rhythmic fetal movements, 239

(see SHEWCHUK ET AL.), 652, 659

AHOKAS, ROBERT A., DILTS, P. V., JR., and LAHAYE, ETHELYN B. Cadmium-induced fetal growth retardation: Protective effect of excess dietary zinc, 216
—(see Dilts and Ahokas), 889

(see MADUSKA ET AL.), 84

Albertini, Richard J. (see Baker et al.), 440 Albrecht, Eugene D. A role for estrogen in progesterone production during baboon pregnancy, 569 Alksne, J. (see Casper et al.), 518 Allen, L. C. (see Doran et al.), 309

ALLEN, STEPHEN D. (see THOMPSON ET AL.), 179

ALM, PER, ALUMETS, JAN, HAKANSON, ROLF, HELM, GÖRAN, OWMAN, CHRISTER, SJÖBERG, NILS-OTTO, and SUNDLER, FRANK. Vasoactive intestinal polypeptide nerves in the human female genital tract, 349

ALUMETS, JAN (see ALM ET AL.), 349

Anderson, Ann E. (see Bauman and Anderson), 194

Anderson, Debra F., Phernetton, Terrance M., and Rankin, John H. G. The placental transfer of acetylsalicylic acid in near-term ewes, 814

ANDERSON, G. G. (see CALDWELL ET AL.), 458

ANDERSON, GARLAND D. (see MADUSKA ET AL.), 84

Anderson, John (see Morris et al.), 531

Annegers, John F. (see Malkasian, Annegers, and Fountain), 872 ANSTEY, JOHN T., SHELDON, GARY W., and BLYTHE, JAMES G. Infectious morbidity after primary cesarean sections in a private institution, 205

ARTAL, R. (see KLEIN ET AL.), 626

ASCH, RICARDO H., FERNANDEZ, EMILIO O., SILER-KHODR, THERESA M., BARTKE, ANDRZEJ, and PAUERSTEIN, CARL J. Mechanism of induction of luteal phase defects by danazol, 932

-(see Chamness, Asch, and Pauerstein), 426

AUGER, PIERRE, MARQUIS, GABRIEL, DALLAIRE, LOUIS, MONTPLAISIR, SERGE, and GHOUBRIL, SUZETTE. Natural occurrence of a humoral response to Candida in human amniotic fluid, 1075

AURAND, J. (see Cousins et al.), 483 AUSTIN, J. MAXWELL (see ORR ET AL.), 412

AZHAR, SALMAN (see MENON, AZHAR, and MENON), 524

В

BACCHUS, HABEEB, and PETERSON, DONALD I. Pregnancy complicated by myelopathy due to Maroteaux-Lamy syndrome, 259 (Comm. in brief)

BAGGISH, MICHAEL S. High-power-density carbon dioxide laser therapy for early cervical neoplasia, 117

BAKER, DAVID A., PHILLIPS, CHARLES A., ROESSNER, KAREN, ALBERTINI, RICHARD J., and MANN, LEON I. Suppression by progesterone of nonspecific in vitro lymphocyte stimulation in mice as a mechanism for the enhancement of herpes simplex virus type 2 vaginal infection, 440

BALL, D. L. (see Berssenbrugge et al.), 762

BALLARD, CHARLES A. (see STUMPF, BALLARD, and LOWENSOHN), 714

BALLON, SAMUEL C. (see BERMAN ET AL.), 679

-(see JUDD ET AL.), 859

BARBOT, J., PARENT, B., and DUBUISSON, J. B. Contact hysteroscopy: Another method of endoscopic examination of the uterine BARDEN, TOM P., and PELTZMAN, PHILLIP, Newborn brain stem auditory evoked responses and perinatal clinical events, 912

BARRADA, M. ISMAIL, BLOMQUIST, CHARLES H., and KOTTS, CLAIRE. The effects of betamethasone on fetal development in the rabbit, 234

BARRESI, JOSEPH A. Listeria monocytogenes: A cause of premature labor and neonatal sepsis, 410 (Comm. in brief)

BARTKE, ANDRZEJ (see ASCH ET AL.), 932
BATRA, S., HELM, G., OWMAN, C., SJOBERG, N.-O., and WALLES, B. Female sex steroid concentrations in the ampullary and isthmic regions of the human fallopian tube and their relationship to plasma concentrations during the menstrual cycle, 986

BAULIEU, E. E. (see LEVY ET AL.), 646

BAUMAN, KARL E., and ANDERSON, ANN E. Legal abortions and trends in fetal and infant mortality rates in the United States, 194

BAUR, HANS (see NEUWIRTH ET AL.), 951
BAXI, LAXMI V., PETRIE, ROY H., and CARITIS, STEVEN N. Induction of labor with low-dose prostaglandin F20 and oxytocin, 28

BEECHAM, CLAYTON T. Classification of vaginal relaxation, 957 (Comm. in brief)

BEERS, PHILIP (see GLEICHER ET AL.), 1, 5, 126 BEHRMAN, H. R. (see CALDWELL ET AL.), 458

Belisle, Serge, Lehoux, Jean-Guy, and Brault, Jacques. The me-tabolism of androstenedione in human pregnancy: The use of constant infusion of unlabeled steroid to assess its metabolic clearance rate, its production rate, and its conversion into androgens and estrogens, 1030

Bell, Mary (see Lee, Bell, and Novy), 60

BENAROCH, THIERRY (see ABITBOL, DEMETER, and BENAROCH), 780 BENEDETTI, THOMAS J., COTTON, DAVID B., READ, JOHN C., and MIL-LER, FRANK C. Hemodynamic observations in severe preeclampsia with a flow-directed pulmonary artery catheter, 465

-(see SCHREIBER and BENEDETTI), 92

BENIGNO, BENEDICT B. (see THOMPSON ET AL.), 179 BENNETT, SUSAN (see KING ET AL.), 383

VAN DEN BERG, BEA J. (see LAUKARAN and VAN DEN BERG), 374

BERKOWITZ, RICHARD L. (see DEVORE, BRACKEN, and BERKOWITZ), 747 BERMAN, MICHAEL L., BALLON, SAMUEL C., LAGASSE, LEO D., and WATRING, WATSON G. Prognosis and treatment of endometrial cancer, 679 (Current developments)

Bernstein, A. (see Doran et al.), 313
Berssenbrugge, Anne D., Goodfriend, T. L., Ball, D. L., and Ranкін, John H. G. The effect of pregnancy on the angiotensin II pressor response in the rabbit, 762

BESCH, PAIGE K. (see STANLEY, MILWIDSKY, and BESCH), 1003

BIENIARZ, JOSEPH (see Takahashi, Diamond, and Bieniarz), 774 BIRNHOLZ, JASON C. (see Frigoletto et al.), 962

BLAKE, DAVID A. (see NIEBYL ET AL.), 1014

BLOMQUIST, CHARLES H. (see BARRADA, BLOMQUIST, and KOTTS), 234 BLUMENSTEIN, BRENT A. (see HALL ET AL.), 344

BLYTHE, JAMES G. (see ANSTEY, SHELDON, and BLYTHE), 205 BODKHE, R. R. (see VALENZUELA and BODKHE), 255

BOLDUC, LEE R. (see NEUWIRTH ET AL.), 951

BONAR, LLOY D. Results of radical surgical procedures after radiation for treatment of invasive carcinoma of the uterine cervix in a private practice, 1006

BOOTS, LARRY R. (see ORR ET AL.), 412

BORIA, MARIA C. (see CASTADOT ET AL.), 966

BORIN, KATHERINE (see MOGHISSI, SACCO, and BORIN, 940

BRACKEN, MICHAEL (see DEVORE, BRACKEN, and BERKOWITZ), 747 -(see Grannum et al.), 249

BRAULT, JACQUES (see BELISLE, LEHOUX, and BRAULT), 1030

BREMME, KATARINA (see LAGERCRANTZ ET AL.), 1067 BRENNER, PAUL F. (see ROY ET AL.), 920

BRENNER, WILLIAM E. (see SCHWARTZ and BRENNER), 203

<sup>\*</sup>January 1, 1-152; January 15, 153-268; February 1, 269-418; February 15, 419-550; March 1, 551-708; March 15, 709-824; April 1, 825-972; April

BRINK, G. (see COUSINS ET AL.), 483

-(see RIGG ET AL.), 537

Bross, Dean (see Shapiro et al.), 363

BROUSSARD, PAULA M. (see KEEGAN ET AL.), 81

Brown, Robert C. (see Buchsbaum, Platz, and Brown), 132
Buchsbaum, Herbert J., Platz, Charles E., and Brown, Robert C.
Xeroradiography of radical vulvectomy specimens, 132

BURCHELL, R. CLAY (see DUBAY, HOLSHAUSER, and BURCHELL), 689 BURROWS, STANLEY, MOORS, WILLIAM, and PEKALA, BERNARD. Missed

tubal abortion, 691 (Comm. in brief)
BURRY, KENNETH A., TABEI, TORU, RESKO, JOHN, PETRA, PHILIP H.,
and HEINRICHS, W. LEROY. Differentiation of sex steroid binding protein in adult rhesus monkeys, 446

### C

CALDWELL, B. V., ROTCHELL, Y. E., PANG, C. Y., Anderson, G. G., Kase, N., and Behrman, H. R. Comparative study of high-dose chorionic gonadotropin on the human and rat corpus luteum and effect of gonadotropin-releasing hormone on human luteal function, 458

CAMPBELL, KAREN (see PATRICK ET AL.), 325

CANNON, WENDY (see YUEN ET AL.), 286
CARITIS, STEVEN N. (see BAXI, PETRIE, and CARITIS), 28

(see DETWILER, JARISCH, and CARITIS), 243

CARMICHAEL, LESLEY (see PATRICK ET AL.), 325, 471

CASPER, R. F., RAKOFF, J. S., QUIGLEY, M. E., GILLILAND, B., ALKSNE, J., and YEN, S. S. C. Changes in pituitary hormones during and following transsphenoidal removal of prolactinomas, 518

CASTADOT, MARIE-JEANNE, ROBINOWITZ, MICHAEL, CHERVENAK, FRANK A., SEDLIS, ALEXANDER, and BORIA, MARIA C. Recognizing malignancy in intrauterine contraceptive device users, 966 (Comm. in brief)

Castillo, Maria S. (see Gibbs, Castillo, and Rodgers), 709 Campbell, Karen (see Patrick et al.), 471 Cefalo, Robert C. (see O'Brien and Cefalo), 135

(see Lewis, Cefalo, and Zaritsky), 967

CHALLIS, JOHN (see PATRICK ET AL.), 325

CHAMNESS, GARY C., ASCH, RICARDO H., and PAUERSTEIN, CARL J. Danazol binding and translocation of steroid receptors, 426

CHANG, HSIAO CHEN (see SARKAR ET AL.), 67 CHERVENAK, FRANK A. (see CASTADOT ET AL.), 966

CHESLEY, LEON C. Severe rheumatic cardiac disease and pregnancy: The ultimate prognosis, 552

CHI, I-CHENG, LAUFE, LEONARD E., GARDNER, STEPHEN D., and TOL-BERT, MARCIA A. An epidemiologic study of risk factors associated with pregnancy following female sterilization, 768

CHOU, SHYAN-YIH (see KATZ ET AL.), 676

CHRISTIE, ADRIAN J., and KRIEGER, HARVEY A. Indolent necrotizing granulomas of the uterine cervix, possibly related to chlamy-dial infection, 958 (Comm. in brief) Christopher, C. (see Glueck et al.), 755

CIBILS, LUIS A. Clinical significance of fetal heart rate patterns during labor. VI. Early decelerations, 392

CLAPP, JAMES F., III. Acute exercise stress in the pregnant ewe, 489 , SZETO, HAZEL H., ABRAMS, ROBERT, LARROW, RODNEY, and MANN, LEON I. Physiologic variability and fetal electrocortical activity,

1045 CLARK, W., BRUCE (see JORDAAN and CLARK), 54

COEN, RONALD W., PORRECO, RICHARD, COUSINS, LARRY, and SANDLER, JEFFREY A. Postpartum glycosylated hemoglobin levels in

mothers of large-for-gestational age infants, 380 Cohen, Carmel J. (see Gleicher et al.), 1, 5, 126 Cohen, Jean (see Neuwirth et al.), 951

Colás, A. E. (see Shapiro, Dyer, and Colás), 419

COLE, TEREY L. (see KOH, COLE, and ORKIN), 261

Conrad, Patricia (see Kemmann, Conrad, and Jones), 964 Corenblum, B. (see Shewchuk et al.), 652 Cotton, David B. (see Benedetti et al.), 465

COULAM, CAROLYN B. (see DAVIDSON ET AL.), 430

Cousin, Alan J. (see Adamson, Cousin, and Gare), 239 Cousins, L., Rigg, L., Hollingsworth, D., Brink, G., Aurand, J., and YEN, S. S. C. The 24-hour excursion and diurnal rhythm of glucose, insulin, and C-peptide in normal pregnancy, 483

-(see COEN ET AL.), 380

-(see RIGG ET AL.), 537 CREASY, ROBERT K. (see LLANOS ET AL.), 808

CROWELL, D. H., SHARMA, S. D., PHILIP, A. G. S., KAPUNIAI, L. E., WAXMAN, S. H., and HALE, R. W. Effects of induction of labor on the neurophysiologic functioning of newborn infants, 48

CROXATTO, HÉCTOR-D., ORTIZ, MARIA-ELENA, and CROXATTO, HORActo B. Correlation between histologic dating of human corpus luteum and the luteinizing hormone peak-biopsy interval, 667

CROXATTO, HORACIO B. (see CROXATTO, ORTIZ, and CROXATTO), 667 CRUIKSHANK, DWIGHT P., PITKIN, ROY M., REYNOLDS, W. ANN, WILLIAMS, G. A., and HARGIS, G. K. Calcium-regulating hormones and ions in amniotic fluid, 621

-(see Scott et al.), 495

CUNNINGHAM, GEORGE C. (see WILLIAMS ET AL.), 559

CURRIE, JOHN L. (see HAMMOND, WEED, and CURRIE), 844 CURTIS, W. R. SCOTT, WHITE, BEVERLY J., LUCKY, ANNE W., ROCHE-BENDER, NAN, KNAB, DOUGLAS R., and JOHNSONBAUGH, ROGER E. Gonadal dysgenesis with mosaicism and a nonfluorescent Y chromosome: Report of two cases with correlation of clinical, pathologic, and cytogenetic findings, 639

DAHLIN, DAVID C. (see MAGRINA, SYMMONDS, and DAHLIN), 727

DALLAIRE, LOUIS (see AUGER ET AL.), 1075

D'ANGELO, LARRY J., and SOKOL, ROBERT J. Determinants of postpartum morbidity in laboring monitored patients: A reassessment of the bacteriology of the amniotic fluid during labor, 575

DARNEY, PHILIP D. (see SCHOENBAUM ET AL.), 19

DAS, SALIL K., and FOSTER, HENRY W. Amniotic fluid lipids in sickle cell disease, 211

DAVIDSON, BERT J., RIGGS, B. LAWRENCE, COULAM, CAROLYN B., and TOFT, DAVID O. Concentration of cytosolic estrogen receptors in patients with postmenopausal osteoporosis, 430 (see JUDD ET AL.), 859

DAVIDSON, EZRA C. (see MORRIS ET AL.), 531

DAVIS, JOHN R. (see TRENT, DAVIS, and PAYNE), 352

DE BRUX, J. (see Levy et al.), 646
DEMETER, EMERICK (see ABITBOL, DEMETER, and BENAROCH), 780

Dennefors, Bo L., Janson, Per Olof, Knutson, Folke, and Ham-BERGER, LARS. Steroid production and responsiveness to gonadotropin in isolated stromal tissue of human postmenopausal ovaries, 997

DePetrillo, Amodio D. (see Schlaerth, Morrow, and DePetrillo),

DESCOMPS, B. (see LEVY ET AL.), 646

DESSOUKY, DESSOUKY AHMAD. Ectopic trophoblast as a complication of first-trimester induced abortion, 407 (Comm. in brief)

DETWILER, J. S., JARISCH, W., and CARITIS, S. N. Statistical fluctuations in heart rate variability indices, 243

DeVore, Greggory R., Bracken, Michael, and Berkowitz, Richard L. The amylase/creatinine clearance ratio in normal pregnancy and pregnancies complicated by pancreatitis, hyperemesis gravidarum, and toxemia, 747

DIAMOND, FREYDA (see TAKAHASHI, DIAMOND, and BIENIARZ), 774 DILLON, MICHAEL B. (see HAMOD ET AL.), 976 DILTS, PRESTON V., JR., and AHOKAS, ROBERT A. Effects of dietary lead and zinc on fetal organ growth, 889 (see Ahokas, Dilts, and LaHaye), 216

DINI, MORTEZA M., and JAFARI, KIANOOSH. Ileovaginal fistula following

cryosurgery for vaginal dysplasia, 691 (Comm. in brief) DIZEREGA, GERE S., and HODGEN, GARY D. Prevention of postoperative tubal adhesions, 173

Dor, Jehoshua, Itzkowic, David J., Mashiach, Shlomo, Lunenfeld, Bruno, and Serr, David M. Cumulative conception rates fol-

Doran, T. A., Swyer, P., MacMurray, B., Mahon, W., Enhorning, E., Bernstein, A., Falk, M., and Woods, M. M. Results of a double-blind controlled study on the use of betamethasone in

the prevention of respiratory distress syndrome, 313

—,Wong, P. Y., Allen, L. C., and Falk, M. Amniotic fluid testosterone and follicle-stimulating hormone assay in the prenatal determination of fetal sex, 309

DOUGLAS, MARGARET B. (see HALL ET AL.), 344

DOZONO-TAKANO, RYOKO (see ROY ET AL.), 920

DRISCOLL, SHIRLEY G. (see FRIGOLETTO ET AL.), 962

DUBAY, MARK L., HOLSHAUSER, CHARLES A., and BURCHELL, R. CLAY. Internal iliac artery ligation for postpartum hemorrhage: Recanalization of vessels, 689 (Comm. in brief)
Dubin, Joseph W. (see Philipps, Dubin, and Raye), 597

DUBIN, NORMAN H. (see NIEBYL ET AL.), 1014

DUBUISSON, J. B. (see BARBOT, PARENT, and DUBUISSON), 721

Duenhoelter, Johann H. (see Santos-Ramos, Duenhoelter, and Reisch), 805

DYER, R. D. (see SHAPIRO, DYER, and COLÁS), 419

EDGER, DONALD E. (see SUTHERLAND ET AL.), 992 EGNER, PATRICIA G. (see NIEBYL ET AL.), 1014

EHRMANN, R. L., FEDERSCHNEIDER, J. M., and KNAPP, R. C. Distinguishing lymph node metastases from benign glandular inclusions in low-grade ovarian carcinoma, 737

EIDE, IVAR (see ROY ET AL.), 920

ELDERING, GERD (see NEUWIRTH ET AL.), 951

ELIAS, SHERMAN, MARTIN, ALICE O., and SIMPSON, JOE LEIGH. Stability of sex chromosome mosaicism, 509

ENHORNING, E. (see DORAN ET AL.), 313

ESKES, TOM K. A. B. (see VAN GEIJN ET AL.), 1061

Evans, Mark I. (see Hajj and Evans), 335

EVERETT, R. B., PORTER, J. C., MACDONALD, P. C., and GANT, N. F. Relationship of maternal placental blood flow to the placental clearance of maternal plasma dehydroisoandrosterone sulfate through placental estradiol formation, 435

EYCHENNE, B. (see LEVY ET AL.), 646 EZRIN, C. (see SHEWCHUK ET AL.), 652, 659

FALK, M. (see DORAN ET AL.), 309, 313

FEDERSCHNEIDER, J. M. (see EHRMANN, FEDERSCHNEIDER, and KNAPP), 737

FERNANDEZ, EMILIO O. (see ASCH ET AL.), 932

FINBERG, HARRIS J. (See FRIGOLETTO ET AL.), 962

FIRST, NEAL L. (see LORTON ET AL.), 732

FISHER, D. A. (see KLEIN ET AL.), 626 FOSTER, HENRY W. (see DAS and FOSTER), 211

FOUNTAIN, KAREN S. (see MALKASIAN, ANNEGERS, and FOUNTAIN), 872

FOX, ALICE (see KATZ ET AL.), 389

FRIBERG, JAN. Immunoglobulin concentration in serum and seminal fluid from men with and without sperm-agglutinating antibodies, 671

FRIEDRICH, EDUARD G., JR., WILKINSON, EDWARD J., and Fu, Yao Shi.
Carcinoma in situ of the vulva: A continuing challenge, 830
FRIGOLETTO, FREDERIC D., JR., BIRNHOLZ, JASON C., DRISCOLL, SHIRLEY

G., and FINBERG, HARRIS J. Ultrasound diagnosis of cystic

hygroma, 962 (Comm. in brief)

–, Ryan, Kenneth J., and Phillippe, Mark. Maternal mortality rate associated with cesarean section: An appraisal, 969 (Comm. in

FRUMAR, ANTHONY M. (see JUDD ET AL.), 859

Fu, YAO SHI (see FRIEDRICH, WILKINSON, and Fu), 830

GANT, N. F. (see EVERETT ET AL.), 435

GARDNER, STEPHEN D. (see Chi et al.), 768 GARE, DOUGLAS J. (see Adamson, Cousin, and GARE), 239 GATLEY, S. JOHN (see LORTON ET AL.), 732

GAUTRAY, J. P. (see LEVY ET AL.), 646

VAN GEIJN, HERMAN P., JONGSMA, HENK W., DE HAAN, JELTE, ESKES, TOM K. A. B., and Prechtl, Heinz F. R. Heart rate as an indicator of the behavioral state, 1061

GHOUBRIL, SUZETTE (see AUGER ET AL.), 1075

GIBB, WILLIAM, LAVOIE, JEAN-CLAUDE, and ROUX, JACQUES. In vitro conversion of pregnenolone to progesterone by term human fetal membranes, 631

GIBBS, RONALD S., and HUFF, ROBERT W. Cefamandole therapy of endomyometritis following cesarean section, 32

—, CASTILLO, MARIA S., and RODGERS, PATRICIA J. Management of

acute chorioamnionitis, 709 (Clinical opinion)

GILLILAND, B. (see CASPER ET AL.), 518

GLEICHER, NORBERT, BEERS, PHILIP, KERENYI, THOMAS D., COHEN, CARMEL J., and GUSBERG, SAUL B. Leukocyte migration enhancement as an indicator of immunologic enhancement. I. Pregnancy, 1

-, -, COHEN, CARMEL J., KERENYI, THOMAS D., and -. Leukocyte migration enhancement as an indicator of immunologic enhancement. II. Malignancy, 126

 , —, and —. Leukocyte migration enhancement as an indi-cator of immunologic enhancement. III. Common denominators of pregnancy and malignancy, 5

GLUCK, L. (see PORRECO, MERRITT, and GLUCK), 1071 GLUECK, C. J., CHRISTOPHER, C., MISHKEL, M. A., TSANG, R. C., and MELLIES, M. J. Pancreatitis, familial hypertriglyceridemia, and pregnancy, 755 GOEBELSMANN, UWE (see SCHMIDT, THORNEYCROFT, and GOEBELS-MANN) 960

GOLDE, STEVEN H., and MOSLEY, GLADYS H. A blind comparison study of the lung phospholipid profile, fluorescence microvisco-simetry, and the lecithin/sphingomyelin ratio, 222

GOLDSMITH, LAURA (see SZLACHTER ET AL.), 584

GOODFRIEND, T. L. (see BERSSENBRUGGE ET AL.), 762 GOODMAN, IONATHAN D. S., and MANTELL, COLIN D. A second means of

identifying fetal breathing movements using Doppler ultrasound, 73

GRADL, T. (see METTLER, SHIRWANI, and GRADL), 106

Grannum, Peter, Bracken, Michael, Silverman, Rosamund, and Hobbins, John C. Assessment of fetal kidney size in normal gestation by comparison of ratio of kidney circumference to abdominal circumference, 249

GRAY, GREGORY (see ROY ET AL.), 920 GRAY, JOYCE H. (see Young et al.), 276

GREEN, JAMES R. (see LLANOS ET AL.), 808

GREEN, PAUL (see MORRISON, GREEN, and OGMEN), 1055

GUSBERG, S. B. Reproductive medicine: A discipline in search of identity, 825

-(see GLEICHER ET AL.), 1, 5, 126

H

DE HAAN, JELTE (see VAN GEIJN ET AL.), 1061

HAGER, W. DAVID (see THOMPSON ET AL.), 179

HAJJ, SAMIR N., and EVANS, MARK I. Diverticula of the female urethra, 335 (Clinical opinion)

HAKANSON, ROLF (see ALM ET AL.), 349

HALE, R. W. (see CROWELL ET AL.), 48

HALL, W. DALLAS, DOUGLAS, MARGARET B., BLUMENSTEIN, BRENT A., and Hatcher, Robert A. Blood pressure and oral progesta-tional agents, 344 Hamberger, Lars (see Dennefors et al.), 997

HAMMOND, CHARLES B., WEED, JOHN C., JR., and CURRIE, JOHN L. The role of operation in the current therapy of gestational trophoblastic disease, 844

-(see VAUGHN ET AL.), 980

HAMOD, KAMAL A., SPENCE, MICHAEL R., ROSENSHEIN, NEIL B., and DILLON, MICHAEL B. Single-dose and multidose prophylaxis in vaginal hysterectomy: A comparison of sodium cephalothin and metronidazole, 976

HANEY, A. F. (see VAUGHN ET AL.), 980

HARGIS, G. K. (see CRUIKSHANK ET AL.), 621 HARLOW, ALICE C., ROUX, JACQUES F., and SHAPIRO, MARTIN I. Plasma glucose, cholesterol, triglyceride, and glycerol concentrations in the postmature rabbit, 500

-(see MASSE ET AL.), 505

HARRIS, J. L. (see PARER, KRUEGER, and HARRIS), 478
HARRIS, ROBERT E., MARRARO, ROBERT V., and UGENAS, ALDONNA J.
Bacteremia or pelvic infection—A consequence of gynecologic biopsies, 408 (Comm. in brief)

HARRISON, GAIL G., UDALL, JOHN N., and MORROW, GRANT, III. Maternal obesity, weight gain in pregnancy, and infant birth weight, 411 (Comm. in brief)

HARRISON, NEVILLE A. (see LEIMAN, HARRISON, and RUBIN), 14

HATCH, KENNETH D. (see ORR ET AL.), 412

HATCHER, ROBERT A. (see HALL ET AL.), 344 HAYASHI, SUSUMU (see YAMADA ET AL.), 1036

HAYASHI, T. TERRY, and MACFARLANE, KATHLEEN. Protein synthesis in rat maternal and fetal tissues with starvation, 897

HEINRICHS, W. LEROY (see BURRY ET AL.), 446

HELM, GÖRAN (see ALM ET AL.), 349

-(see BATRA ET AL.), 986

HENDRICKX, ANDREW G. (see MORRIS ET AL.), 531

HILL, GALE B. (see MILLER, PUPKIN, and HILL), 796 HILL, LYNDON M. (see PLATT, MANNING, and HILL), 693

HOBBINS, JOHN C. (see GRANNUM ET AL.), 249 HODGEN, GARY D. (see DIZEREGA and HODGEN), 173

HOLLINGSWORTH, D. (see Cousins et al.), 483

—(see Rigg et al.), 537 Holshauser, Charles A. (see Dubay, Holshauser, and Burchell), 689

HOWARD, WILBUR F. (see KLETZKY ET AL.), 545 HUEY, JAMES R. (see ZANINI, PAUL, and HUEY), 43 HUFF, ROBERT W. (see GIBBS and HUFF), 32

HUSAIN, F. J. (see MARX, HUSAIN, and SHIAU), 11

IKENOUE, TSUYOMU (see MURATA ET AL.), 603

IRBY, DAVID M., VONTVER, LOUIS A., and STENCHEVER, MORTON A. Evaluation of student performance in a multi-site clinical clerkship, 1020

ISRAEL, VITA (see KATZ ET AL.), 676

ITZKOWIC, DAVID J. (see DOR ET AL.), 102

JAFARI, KIANOOSH (see DINI and JAFARI), 691

JANSEN, ROBERT P. S. Cyclic changes in the human fallopian tube isthmus and their functional importance, 292

JANSON, PER OLOF (see DENNEFORS ET AL.), 997 JARISCH, W. (see DETWILER, JARISCH, and CARITIS), 243

JESSEN, POUL (see NELDAM and JESSEN), 1051

JEWELEWICZ, R., and VANDE WIELE, R. L. Clinical course and outcome of pregnancy in twenty-five patients with pituitary microadenomas, 339

JOHNSON, E. ERNEST (see Suzuki, Minei, and Johnson), 1009

IOHNSONBAUGH, ROGER E. (see CURTIS ET AL.), 639 JONES, JAMES R. (see KEMMANN, CONRAD, and JONES), 964

JONES, M. Douglas (see MOLTENI ET AL.), 609

JONES, O. W. (see SARKAR ET AL.), 67

JONGSMA, HENK W. (see VAN GEIJN ET AL.), 1061 JORDAAN, HAROLD V. F., and CLARK, W. BRUCE. Prenatal determination of fetal brain and somatic weight by ultrasound, 54

JUDD, HOWARD L., DAVIDSON, BERT J., FRUMAR, ANTHONY M., SHAMONKI, ISSA M., LAGASSE, LEO D., and BALLON, SAMUEL C. Serum androgens and estrogens in postmenopausal women with and without endometrial cancer, 859

KAHN, CHARLES B. (see WIDNESS ET AL.), 1024

KAPUNIAI, L. E. (see CROWELL ET AL.), 48

Kase, N. (see Caldwell et al.), 458 Katz, Michael, Shapiro, Warren B., Porush, Jerome G., Chou, SHYAN-YIH, and ISRAEL, VITA. Uterine and renal renin release after ligation of the uterine arteries in the pregnant rabbit, 676 (Current investigation)

-,SOKAL, MYRON M., LILLING, MAX, and FOX, ALICE. Neonatal heart rate reactivity following variable decelerations during labor,

KATZ, MIRIAM, WILSON, STEPHEN J., and YOUNG, BRUCE K. Sinusoidal fetal heart rate. II. Continuous tissue pH studies, 594

-(see Young, KATZ, and WILSON), 587

KAUFMAN, DAVID W., SHAPIRO, SAMUEL, ROSENBERG, LYNN, MONSON, RICHARD R., MIETTINEN, OLLI S., STOLLEY, PAUL D., and SLONE, DENNIS. Intrauterine contraceptive device use and

pelvic inflammatory disease, 159 KEEGAN, KIRK A., JR., and PAUL, RICHARD H. Antepartum fetal heart rate testing. IV. The nonstress test as a primary approach, 75 BROUSSARD, PAULA M., McCART, DOROTHY, and SMITH, MARCI

A. Antepartum fetal heart rate testing. V. The nonstress

test-an outpatient approach, 81 KEMMANN, EKKEHARD, CONRAD, PATRICIA, and JONES, JAMES R. Cardiac abnormalities in female hypogonadotropic hypogonadism with anosmia, 964 (Comm. in brief)

KERENYI, THOMAS D. (see GLEICHER ET AL.), 1, 5, 126

KIDO, KUNITOSHI (see YAMADA ET AL.), 1036 KING, CHARLES R., MAGENIS, ELLEN, PRESCOTT, GERALD, OLSON, CATHERINE, and BENNETT, SUSAN. Mosaic and hypermodal cells in amniotic fluid cell cultures, 383

KLEIN, A. H., MURPHY, B. E. P., ARTAL, R., ODDIE, T. H., and FISHER, D. A. Amniotic fluid thyroid hormone concentrations during human gestation, 626

KLETZKY, OSCAR A., MARRS, RICHARD P., HOWARD, WILBUR F., McCormick, William, and Mishell, Daniel R., Jr. Prolactin synthesis and release during pregnancy and puerperium, 545 KNAB, DOUGLAS R. (see CURTIS ET AL.), 639

KNAPP, R. C. (see EHRMANN, FEDERSCHNEIDER, and KNAPP), 737

Knutson, Folke (see Dennefors et al.), 997 Kochenour, Neil K. (see Scott et al.), 495 Koh, Kee Seng, Cole, Terey L., and Orkin, Alan J. Listetia am-

nionitis as a cause of fetal distress, 261 (Comm. in brief) KOTTS, CLAIRE (see BARRADA, BLOMQUIST, and KOTTS), 234

KRAMER, RICHARD S. (see VAUGHN ET AL.), 980 VAN KREEL, BERNARD K. (see WALLENBURG and VAN KREEL), 513 KRIEGER, HARVEY A. (see CHRISTIE and KRIEGER), 958

KRISCHER, JEFFREY P. (see SHAPIRO ET AL.), 363

KROUS, HENRY F. (see TARPAY, TURBEVILLE, and KROUS), 257 KRUEGER, T. R. (see PARER, KRUEGER, and HARRIS), 478 KUMOR, KAREN M. (see NIEBYL ET AL.), 1014

### L

LAGASSE, LEO D. (see BERMAN ET AL.), 679

-(see JUDD ET AL.), 859

LAGERCRANTZ, HUGO, SJOQUIST, BIRGITTA, BREMME, KATARINA, LUNELL, NILS-OLOV, and SOMELL, CHRISTINA, 1067

LaHaye, Ethelyn B. (see Ahokas, Dilts, and LaHaye), 216

LAKHANI, K. (see RITCHIE and LAKHANI), 386 LAMONT, JOHN A. Female dyspareunia, 282

LANDGREBE, SARA (see MATHUR, LANDGREBE, and WILLIAMSON), 25

LARROW, RODNEY (see CLAPP ET AL), 1045

LAUFE, LEONARD E. Suprapubic endoscopy for interval female sterilization, 257 (Comm. in brief)

—(see CHI ET AL.), 768

LAUKARAN, VIRGINIA HIGHT, and VAN DEN BERG, BEA J. The relationship of maternal attitude to pregnancy outcomes and obstetric complications, 374

LAVOIE, JEAN-CLAUDE (see GIBB, LAVOIE, and ROUX), 631

LEE, WESLEY, BELL, MARY, and NOVY, MILES J. Pulmonary lamellar bodies in human amniotic fluid: Their relationship to fetal age and the lecithin/sphingomyelin ratio, 60

LEHOUX, JEAN-GUY (see BELISLE, LEHOUX, and BRAULT), 1030

LEIMAN, GLADWYN, HARRISON, NEVILLE A., and RUBIN, ABRAHAM. Pregnancy following conization of the cervix: Complications related to cone size, 14

Lessard, Pierre (see Shewchuk et al.), 659
Levy, C., Robel, P., Gautray, J. P., De Brux, J., Verma, U., Descomps, B., and Baulieu, E. E., with the technical assistance of EYCHENNE, B. Estradiol and progesterone receptors in human endometrium: Normal and abnormal menstrual cycles and early pregnancy, 646

Lewis, John L., Jr. Treatment of metastatic gestational trophoblastic neoplasms, 163

LEWIS, JOYCE (see YUEN ET AL.), 286

LEWIS, P. E., II, CEFALO, R. C., and ZARITSKY, A. L. Fetal heart block caused by cytomegalovirus, 967 (Comm. in brief)

LIEBERMAN, LIONEL M. (see LORTON ET AL.), 732 LILLING, MAX (see KATZ ET AL.), 389

LIPSHITZ, JEFFREY (see MADUSKA ET AL.), 84

LLANOS, ANIBAL J., GREEN, JAMES R., CREASY, ROBERT K., and RUDOLPH, ABRAHAM M. Increased heart rate response to parasympathetic and beta adrenergic blockade in growthretarded fetal lambs, 808

LONGO, LAWRENCE D. (see LORIJN and LONGO), 451

LOPEZ, BEVERLY (see THOMPSON ET AL.), 179

LORIJN, RONALD H. W., and LONGO, LAWRENCE D. Clinical and physiologic implications of increased fetal oxygen consumption 451

LORTON, STEVEN P., GATLEY, S. JOHN, LIEBERMAN, LIONEL M., and FIRST, NEAL L. Radiolabeling of mammalian spermatozoa and their use to monitor sperm transport in females, 732

LOWENSOHN, RICHARD (see STUMPF, BALLARD, and LOWENSOHN), 714 LUCKY, ANNE W. (see CURTIS ET AL.), 639

LUNELL, NILS-OLOV (see LAGERCRANTZ ET AL.), 1067 LUNENFELD, BRUNO (see DOR ET AL.), 102

LUTHER, EDWIN R. (see YOUNG ET AL.), 276, 321

## M

McCart, Dorothy (see Keegan et al.), 81

McCausland, Arthur. High rate of ectopic pregnancy following laparoscopic tubal coagulation failures, 97
McCormick, Marie C. (see Shapiro et al.), 363

McCormick, William (see Kletzky et al.), 545

MACDONALD, P. C. (see EVERETT ET AL.), 435

MACFARLANE, KATHLEEN (see HAYASHI and MACFARLANE), 897

MACMURRAY, B. (see DORAN ET AL.), 313
MADUSKA, ALBERT L., AHOKAS, ROBERT A., ANDERSON, GARLAND D., LIPSHITZ, JEFFREY, and MORRISON, JOHN C. Placental transfer of intravenous fluoride in the pregnant ewe, 84

MAGENIS, ELLEN (see KING ET AL.), 383

MAGRINA, JAVIER F., SYMMONDS, RICHARD E., and DAHLIN, DAVID C. Pelvic "lipolymph nodes": A consideration in the differential diagnosis of pelvic masses, 727 MAHON, W. (see DORAN ET AL.), 313

MAKABALI, GEORGINA (see MORRIS ET AL.), 531

MALKASIAN, GEORGE D., JR., ANNEGERS, JOHN F. and FOUNTAIN, KAREN S. Carcinoma of the endometrium: Stage I, 872

MANN, LEON I. (see BAKER ET AL.), 440

—(see Clapp et al.), 1045

Manning, Frank A., Platt, Lawrence D., and Sipos, Louise. Antepartum fetal evaluation: Development of a fetal biophysical

-(see PLATT, MANNING, and HILL), 693

MANTELL, COLIN D. (see GOODMAN and MANTELL), 73

MARQUIS, GABRIEL (see AUGER ET AL.), 1075 MARRARO, ROBERT V. (see HARRIS, MARRARO, and UGENAS), 408

MARRS, RICHARD P. (see KLETZKY ET AL.), 545

MARTIN, ALICE O. (see Elias, Martin, and Simpson), 509

MARTIN, CHESTER B., JR. (see MURATA ET Al..), 603
MARX, GERTIE F., HUSAIN, F. J., and SHIAU, H. F. Brachial and femoral blood pressures during the prenatal period, 11

Mashiach, Shlomo (see Dor et al.), 102 Masse, D., Roux, J. F., Harlow, A., and Shapiro, M. In vitro palmitate and glucose metabolism in the postmature fetus, 505 MATHUR, R. S., LANDGREBE, SARA, and WILLIAMSON, H. OLIVER. Pro-

gesterone, 17-hydroxyprogesterone, estradiol, and estriol in late pregnancy and labor, 25
MATTISON, DONALD R., and YEH, S. Y. Hemoperitoneum from rupture

of a uterine vein overlying a leiomyoma, 415 (Comm. in brief)

MELLIES, M. J. (see Glueck et al.), 755 Melmed, M. Herzl (see Molteni et al.), 609

MEMBER, M. FIERGL (SEE MOLLEN) ET AL.), USG
MENDENHALL, HIRAM W., O'LEARY, JAMES A., and PHILLIPS, KAREN O.
The nonstress test: The value of a single acceleration in

evaluating the fetus at risk, 87

MENON, K. M. J. (see MENON, AZHAR, and MENON), 524 MENON, MANGALADEVI, AZHAR, SALMAN, and MENON, K. M. J. Evidence that danazol inhibits gonadotropin-induced ovarian steroidogenesis at a point distal to gonadotropin-receptor interaction and adenosine 3',5' cyclic monophosphate forma-

tion, 524 MERRITT, T. ALLEN (see PORRECO, MERRITT, and GLUCK), 1071

MESCHIA, GIACOMO (see MOLTENI ET AL.), 609
METTLER, L., SHIRWANI, D., and GRADL, T. The occurrence of sperm antibodies in human reproduction. I. Comparative new and improved test methods for sperm antibody detection, 106

MIETTINEN, OLLI S. (see KAUFMAN ET AL.), 159 MILLIGAN, J. E., and SHENNAN, A. T. Perinatal management and out-

come in the infant weighing 1,000 to 2,000 grams, 269

-(see Shennan and Milligan), 273 MILLER, FRANK C. (see WHITTLE and MILLER), 38

(see BENEDETTI ET AL.), 465

MILLER, JOSEPH M., JR., PUPKIN, MARCOS J., and HILL, GALE B. Bacterial colonization of amniotic fluid from intact fetal membranes, 796

MILWIDSKY, ARIEL (see STANLEY, MILWIDSKY, and BESCH), 1003 MINEI, LAWRENCE J. (see SUZUKI, MINEI, and JOHNSON), 1009 MISHELL, DANIEL R., JR. (see KLETZKY ET AL.), 545

(see ROY ET AL.), 920

MISHKEL, M. A. (see Glueck et al.), 755 Moghissi, Kamran S., Sacco, Anthony G., and Borin, Katherine, Immunologic infertility. I. Cervical mucus antibodies and postcoital test, 940

MOLTENI, RICHARD A., MELMED, M. HERZL, SHELDON, ROGER E., JONES, M. DOUGLAS, and MESCHIA, GIACOMO. Induction of fetal breathing by metabolic acidemia and its effect on blood flow

to the respiratory muscles, 609 Monson, Richard R. (see Kaufman et al.), 159

(see SCHOENBAUM ET AL.), 19

MONTPLAISIR, SERGE (see AUGER ET AL.), 1075

Moors, William (see Burrows, Moors, and Pekala), 691

MORRIS, JOHN A., DAVIDSON, EZRA C., MAKABALI, GEORGINA, O'GRADY,
JOHN P., ANDERSON, JOHN, and HENDRICKX, ANDREW G.
Sampling the fetoplacental circulation. IV. Preliminary experience in the pregnant baboon (Papio cynocephalus), 531 Morrison, Ian, Green, Paul, and Oomen, B. The role of human pla-

cental lactogen assays in antepartum fetal assessment, 1055 Morrison, John C. (see Maduska et al..), 84

Morrow, C. Paul (see Schlaerth, Morrow, and DePetrillo), 983 MORROW, GRANT, III (see HARRISON, UDALL, and MORROW), 411 Mosley, Gladys H. (see Golde and Mosley), 222

Murata, Yuji, Martin, Chester B., Jr., Ikenoue, Tsuyomu, and Petrie, Roy H. Cardiac systolic time intervals in fetal monkeys: Ventricular ejection time, 603

MURPHY, B. E. P. (see Klein et al.), 626

NATALE, RENATO (see PATRICK ET AL.), 325, 471

NELDAM, STEEN, and JESSEN, POUL. Fetal movements registered by the pregnant woman correlated to retrospective estimations of

fetal movements from cardiotocographic tracings, 1051
Neuwirth, Robert S., Richart, Ralph M., Stevenson, Thomas,
Bolduc, Lee R., Zinser, Hans, Baur, Hans, Cohen, Jean, ELDERING, GERD, RIVAS, GASTAVO ARGUETA, and NILSEN, PER AGNAR. An outpatient approach to female sterilization with methylcyanoacrylate, 951

NIEBYL, JENNIFER R., BLAKE, DAVID A., WHITE, ROBERT D., KUMOR, KAREN M., DUBIN, NORMAN H., ROBINSON, J. COURTLAND, and EGNER, PATRICIA G. The inhibition of premature labor with indomethacin, 1014

NILSEN, PER AGNAR (see NEUWIRTH ET AL.), 951 NORRIS, FRANK D. (see WILLIAMS ET AL.), 559 NOVY, MILES J. (see LEE, BELL, and NOVY), 60

O'BRIEN, WILLIAM F., and CEFALO, ROBERT C. Clinical applicability of amniotic fluid tests for fetal pulmonic maturity, 135 (Current developments)

O'BYRNE, ELIZABETH (see SZLACHTER ET AL.), 584

ODDIE, T. H. (see KLEIN ET AL.), 626

O'Grady, John P. (see Morris et al.), 531 Oh, William (see Widness et al.), 1024 O'Leary, James A. (see Mendenhall, O'Leary, and Phillips), 87

OLSON, CATHERINE (see KING ET AL.), 383

Oomen, B. (see Morrison, Green, and Oomen), 1055

ORKIN, ALAN J. (see KOH, COLE, and ORKIN), 261

Orr, James W., Jr., Austin, J. Maxwell, Hatch, Kenneth D., Shingleton, Hugh M., Younger, J. Benjamin, and Boots, Larry R. Acute pulmonary edema associated with molar pregnancies: A high-risk factor for development of persistent trophoblastic disease, 412 (Comm. in brief)

Ortiz, Maria-Elena (see Croxatto, Ortiz, and Croxatto), 667 Ostergard, Donald R. Bladder pillar block anesthesia for urethral dilatation in women, 187

OWMAN, CHRISTER (see ALM ET AL.), 349

-(see BATRA ET AL.), 986

PAIRAUDEAU, N. (see SHEWCHUK ET AL.), 652

PANG, C. Y. (see CALDWELL ET AL.), 458 PARENT, B. (see BARBOT, PARENT, and DUBUISSON), 721

PARER, J. T., KRUEGER, T. R., and HARRIS, J. L. Fetal oxygen consumption and mechanisms of heart rate response during artificially

produced late decelerations of fetal heart rate in sheep, 478 PATRICK, JOHN, CAMPBELL, KAREN, CARMICHAEL, LESLEY, NATALE, RENATO, and RICHARDSON, BRYAN. A definition of human fetal apnea and the distribution of fetal apneic intervals dur-

ing the last ten weeks of pregnancy, 471

—, Challis, John, Campbell, Karen, Carmichael, Lesley, Natale, RENATO, and RICHARDSON, BRYAN. Circadian rhythms in maternal plasma cortisol and estriol concentrations at 30 to 31, 34 to 35, and 38 to 39 weeks' gestational age, 325

PAUERSTEIN, CARL J. (see CHAMNESS, ASCH, and PAUERSTEIN), 426—(see ASCH ET AL.), 932

PAUL, RICHARD H. (see KEEGAN and PAUL), 75

-(see ZANINI, PAUL, and HUEY), 43

-(see Keegan et al.), 81 Payne, Claire M. (see Trent, Davis, and Payne), 352

PEDDLE, LEO J. (see Young ET Al.), 276

PEKALA, BERNARD (see BURROWS, MOORS, and PEKALA), 691

PELTZMAN, PHILIP (see BARDEN and PELTZMAN), 912

PETERSON, DONALD I. (see BACCHUS and PETERSON), 259 PETRA, PHILIP H. (see BURRY ET AL.), 446

PETRIE, ROY H. (see BAXI, PETRIE, and CARITIS), 28

-(see MURATA ET AL.), 603

PHELAN, JEFFREY P. Diminished fetal reactivity with smoking, 230 PHERNETTON, TERRANCE M. (see Anderson, Phernetton, and Rankin), 814

PHILIP, A. G. S. (see CROWELL ET AL.), 48

PHILIPPS, ANTHONY F., DUBIN, JOSEPH W., and RAYE, JOHN R Alanine-stimulated insulin secretion in the fetal and neonatal lamb, 597

PHILLIPPE, MARK (see Frigoletto, Ryan, and Phillippe), 969

PHILLIPS, CHARLES A. (see BAKER ET AL.), 440
PHILLIPS, KAREN O. (see MENDENHALL, O'LEARY, and PHILLIPS), 87

PITKIN, ROY M. (see CRUIKSHANK ET AL.), 621

(see SCOTT ET AL.), 495

PLATT, LAWRENCE D., MANNING, FRANK A., and HILL, LYNDON M. Simultaneous real-time ultrasound scanning and pelvic examination in assessment of pelvic disease, 693 (Comm. in brief) -(see Manning, Platt, and Sipos), 787

PLATZ, CHARLES E. (see BUCHSBAUM, PLATZ, and BROWN), 132

POPAT, R. (see Young et al.), 321
PORGES, ROBERT F. Changing indications for vaginal hysterectomy, 153 (Clinical opinion)

PORRECO, RICHARD P., MERRITT, T. ALLEN, and GLUCK, L. Effect of prolactin on phospholipid biosynthesis by alveolar cell carcinoma (A549) in monolayer tissue culture, 1071

-(see COEN ET AL.). 380

(see SARKAR ET AL,), 67 PORTER, J. C. (see EVERETT ET AL.), 435 PORUSH, JEROME G. (see KATZ ET AL.), 676 POWELL, DEBORAH (see SUTHERLAND ET AL.), 992 PRECHTL, HEINZ F. R. (see VAN GEIJN ET AL., 1061 PRESCOTT, GERALD (see KING ET AL.), 383 PUPKIN, MARCOS J. (see MILLER, PUPKIN, and HILL), 796

DE QUATTRO, VINCENT (see ROY ET AL.), 920 QUIGLEY, M. E. (see CASPER ET AL.), 518

RAHAGHI, ASGHAR (see Szeja, RAHAGHI, and RENTZ), 416

RAKOFF, J. S. (see CASPER ET AL.), 518

Ramsey, Carolyn (see Thompson et al.), 179 Rankin, John H. G. (see Anderson, Phernetton, and Rankin), 814 (see BERSSENBRUGGE ET AL.), 762

RAYE, JOHN R. (see PHILIPPS, DUBIN, and RAYE), 597

READ, JOHN C. (see BENEDETTI ET Al.), 465

Reisch, Joan S. (see Santos-Ramos, Duenhoelter, and Reisch), 805 Rentz, Frederick P. (see Szeja, Rahaghi, and Rentz), 416

RESKO, JOHN (see BURRY ET AL.), 446

REYNOLDS, W. ANN (see CRUIKSHANK ET AL.), 621 RICHARDSON, BRYAN (see PATRICK ET AL.), 325, 471

RICHART, RALPH M. (see NEUWIRTH ET AL.), 951

RIGG, L., COUSINS, L., HOLLINGSWORTH, D., BRINK, G., and YEN, S. S. C. Effects of exogenous insulin on excursions and diurnal rhythm of plasma glucose in pregnant diabetic patients with and without residual β-cell function, 537

-(see Cousins et al.), 483

RIGGS, B. LAWRENCE (see DAVIDSON ET AL.), 430

RITCHIE, J. W. KNOX, and LAKHANI, K. Fetal breathing movements in response to maternal inhalation of 5% carbon dioxide, 386 RIVAS, GASTAVO ARGUETA (see NEUWIRTH ET AL.), 951

ROBEL, P. (see LEVY ET AL.), 646

ROBINOWITZ, MICHAEL (see CASTADOT ET AL.), 966

ROBINSON, J. COURTLAND (see NIEBYL ET AL.), 1014

ROCHE-BENDER, NAN (see CURTIS ET AL.), 639

RODGERS, PATRICIA J. (see GIBBS, CASTILLO, and RODGERS), 709 ROESSNER, KAREN (see BAKER ET AL.), 440

ROSENBERG, LYNN (see KAUFMAN ET AL.), 159 ROSENSHEIN, NEIL B., WIJNEN, HANS, and WOODRUFF, J. DONALD. Clinical importance of the diagnosis of trophoblastic pseu-

dotumors, 635

—(see Hamod et al..), 976
ROSSAVIK, IVAR KR. Total uterine impulse and cervical resistance at parturition, 579

ROTCHELL, Y. E. (see CALDWELL ET AL.), 458

ROUX, JACQUES (see GIBB, LAVOIE, and ROUX), 631

-(see Harlow, Roux, and Shapiro), 500

-(see MASSE ET AL.), 505

ROY, SUBIR, MISHELL, DANIEL R., JR., GRAY, GREGORY, DOZONO-TAKANO, RYOKO, BRENNER, PAUL F., EIDE, IVAR, DE QUATTRO, VINCENT, and SHAW, S. THOMAS. Comparison of metabolic and clinical effects of four oral contraceptive formulations

and a contraceptive vaginal ring. 920
RUBIN, ABRAHAM (see LEIMAN, HARRISON, and RUBIN), 14 RUDOLPH, ABRAHAM M. (see LLANOS ET AL.), 808

RUTANEN, E.-M. (see SEPPALA, VENESMAA, and RUTANEN), 189 RYAN, KENNETH J. (see Frigoletto, Ryan, and Phillippe), 969

-(see Schoenbaum et al.), 19

SAARIKOSKI, SEPPO. Uptake of 3H-norepinephrine in human female reproductive organs, 1041

SACCO, ANTHONY G. (see Moghissi, SACCO, and Borin), 940

SAGAWA, NORIMASA (see YAMADA ET AL.), 1036

SANDLER, JEFFREY A. (see COEN ET AL.), 380

SANDLER, JEFFRET IN GET COMMISSION OF THE SANDLER, JOHANN H., and REISCH, JOAN S. Sonar fetal cephalometry: Comparison of bistable with gray scale and real-time techniques, 805

SARKAR, S. CHANG, HSIAO CHEN, PORRECO, R. P., and JONES, O. W. Neural origin of cells in amniotic fluid, 67
SARTO, GLORIA E., and THERMAN, EEVA. Replication and inactivation of

a dicentric X formed by telomeric fusion, 904
Schlaerth, John B., Morrow, C. Paul, and DePetrillo, Amodio D. Sustained remission of choriocarcinoma with cis-platinum, vinblastine, and bleomycin after failure of conventional combination drug therapy, 983

SCHMIDT, PATRICIA L., THORNEYCROFT, IAN H., and GOEBELSMANN, Uwe. Fetal distress following a reactive nonstress test, 960

(Comm. in brief)

SCHOENBAUM, STEPHEN C., MONSON, RICHARD R., STUBBLEFIELD, PHILLIP G., DARNEY, PHILIP D., and RYAN, KENNETH J. Outcome of the delivery following an induced or spontaneous abortion, 19

SCHREIBER, JAMES, and BENEDETTI, THOMAS. Conservative management of preterm premature rupture of the fetal membranes in a low socioeconomic population, 92

SCHWARTZ, HERBERT C. (see WIDNESS ET AL.), 1024 SCHWARTZ, MARTIN L., and BRENNER, WILLIAM E. Termination of pregnancy complicated by anencephaly with intra-amniotic prostaglandin F<sub>2</sub>α, 203

SCHWARTZ, ROBERT (see WIDNESS ET AL.), 1024

SCOTT, JAMES R., CRUIKSHANK, DWIGHT P. KOCHENOUR, NEIL K., PIT-KIN, ROY M., and WARENSKI, JAMES C. Fetal platelet counts in the obstetric management of immunologic thrombocytopenic purpura, 495 SCOTT, K. E. (see Young et al..), 321

SEDLIS, ALEXANDER (see CASTADOT ET AL.), 966

SEPPÄLÄ, M., VENESMAA, P., and RUTANEN, E.-M. Pregnancy-specific beta-I glycoprotein in ectopic pregnancy, 189
Serr, David M. (see Dor et al.), 102
Shamonki, Issa M. (see Judd et al.), 859
Shapiro, Martin I. (see Harlow, Roux, and Shapiro), 500

(see MASSE ET AL.), 505

SHAPIRO, S. S., DYER, R. D., and COLÁS, A. E. Progesterone-induced glycogen accumulation in human endometrium during organ

culture, 419
Shapiro, Sam, McCormick, Marie C., Staffield, Barbara H., Krischer, Jeffrey P., and Bross, Dean. Relevance of correlates of infant deaths for significant morbidity at 1 year of age, 363

-(see KAUFMAN ET AL.), 159

SHAPIRO, WARREN B. (see KATZ ET AL.), 676

SHARMA, S. D. (see CROWELL ET AL.), 48 SHAW, S. THOMAS (see ROY ET AL.), 920

SHELDON, GARY W. (see ANSTEY, SHELDON, and BLYTHE), 205

SHELDON, ROGER E. (see Molten) et al..), 609
SHENNAN, A. T., and MILLIGAN, J. E. The growth and development of infants weighing 1,000 to 2,000 grams at birth and delivered in a perinatal unit, 273

(see MILLIGAN and SHENNAN), 269

SHEWCHUK, ALAN B., ADAMSON, G. DAVID, LESSARD, PIERRE, and EZRIN, CALVIN. The effect of pregnancy on suspected pituitary adenomas after conservative management of ovulation defects

associated with galactorrhea, 659

—, Corenblum, B., Pairaudeau, N., Ezrin, C., and Adamson, G. D.
Predicted ovulatory response to 2-brom-alpha-ergocryptine (CB-154) in amenorrhea-galactorrhea syndromes, 652

SHIAU, H. F. (see MARX, HUSAIN, and SHIAU), 11

SHINGLETON, HUGH M. (see ORR ET AL.), 412

SHIRWANI, D. (see METTLER, SHIRWANI, and GRADL), 106 SHULMAN, JONAS A. (see THOMPSON ET AL.), 179

SILER-KHODR, THERESA M. (see ASCH ET AL.), 932

SILVERMAN, ROSAMUND (see GRANNUM ET AL.), 249

SIMPSON, JOE LEIGH (see ELIAS, MARTIN, and SIMPSON), 509

SING, ERIC J. Capillary method for assessment of pulmonary maturity

in utero with the use of amniotic fluid, 228 SIPOS, LOUISE (see MANNING, PLATT, and SIPOS), 787

SJÖBERG, NILS-OTTO (see ALM ET AL.), 349

-(see BATRA ET AL.), 986

SJOQUIST, BIRGITTA (see LAGERCRANTZ ET AL.), 1067

SLONE, DENNIS (see KAUFMAN ET AL.), 159

SMITH, MARCI A. (see KEEGAN ET AL.), 81 SOKAL, MYRON M. (see KATZ ET AL.), 389

SOKOL, ROBERT J. (see D'ANGELO and SOKOL), 575

SOMELL, CHRISTINA (see LAGERCRANTZ ET AL.), 1067

SPENCE, MICHAEL R. (see HAMOD ET AL.), 976

STANLEY, RITA LYNN, MILWIDSKY, ARIEL, and BESCH, PAIGE K. Evidence for an androgen-binding component in the cytosol of the human term placenta, 1003

STARFIELD, BARBARA H. (see SHAPIRO ET AL.), 363

STARGEL, MICHAEL D. (see THOMPSON ET AL.), 179

STEINETZ, BERNARD G. (see SZLACHTER ET AL.), 584

STENCHEVER, MORTON A. (see IRBY, VONTVER, and STENCHEVER), 1020 STEVENSON, THOMAS (see NEUWIRTH ET AL.), 951

STOLLEY, PAUL D. (see KAUFMAN ET AL.), 159

STRAY-PEDERSEN, BABILL. A prospective study of acquired toxoplasmosis among 8,043 pregnant women in the Oslo area, 399 STUBBLEFIELD, PHILLIP G. (see SCHOENBAUM ET AL.), 19

STUMPF, PAUL G., BALLARD, CHARLES A., and LOWENSOHN, RICHARD.
Abdominal hysterectomy for abortion-sterilization, 714

SUNDLER, FRANK (see ALM ET AL.), 349

SUTHERLAND, JAMES A., WILSON, EMERY A., EDGER, DONALD E., and POWELL, DEBORAH. Ultrastructure and steroid-binding studies in leiomyomatosis peritonealis disseminata, 992 SUZUKI, KOTARO, MINEI, LAWRENCE J., and JOHNSON, E. ERNEST. Effect of nicotine upon uterine blood flow in the pregnant rhesus

monkey, 1009

SWYER, P. (see DORAN ET AL.), 313

SY, LYDIA (see YUEN ET AL., 286 SYMMONDS, RICHARD E. (see MAGRINA, SYMMONDS, and DAHLIN), 727 SZEJA, ZYGFRYD J., RAHAGHI, ASGHAR, and RENTZ, FREDERICK P. Ultrasound diagnosis of cervical pregnancy, 416 (Comm. in

SZETO, HAZEL H. (see CLAPP ET AL.), 1045

SZLACHTER, NELLY, O'BYRNE, ELIZABETH, GOLDSMITH, LAURA, STEIN-ETZ, BERNARD G., and WEISS, GERSON. Myometrial inhibiting activity of relaxin-containing extracts of human corpora lutea of pregnancy, 584

TABEI, TORU (see BURRY ET AL.), 446

TAKAHASHI, KATSUHIKO, DIAMOND, FREYDA, and BIENIARZ, JOSEPH. Uterine contractility and oxytocin sensitivity in preterm, term,

and postterm pregnancy, 774
TARPAY, MARTHA M., TURBEVILLE, DAVID F., and KROUS, HENRY F. Fatal streptococcus pneumoniae type III sepsis in mother and infant, 257 (Comm. in brief)

TASHIRO, MICHIKO (see WILLIAMS ET AL.), 559 THERMAN, EEVA (see SARTO and THERMAN), 904

THOMPSON, JOHN D. (see THOMPSON ET AL.), 179 THOMPSON, SUMNER E., III, HAGER, W. DAVID, WONG, KWEI-HAY, LOPEZ, BEVERLY, RAMSEY, CAROLYN, ALLEN, STEPHEN D., STARGEL, MICHAEL D., THORNSBERRY, CLYDE, BENIGNO, BEN-EDICT B., THOMPSON, JOHN D., and SHULMAN, JONAS A. The microbiology and therapy of acute pelvic inflammatory dis-

ease in hospitalized patients, 179
Thorneycroft, Ian H. (see Schmidt, Thorneycroft, and Goebels-

MANN), 960 Thornsberry, Clyde (see Thompson et al.), 179

TOFT, DAVID O. (see DAVIDSON ET AL.), 430

TOLBERT, MARCIA A. (see CHI ET AL.), 768

TRENT, JEFFREY M., DAVIS, JOHN R., and PAYNE, CLAIRE M. The establishment and morphologic characterization of finite cell lines from normal human endometrium, 352 Tsang, R. C. (see Glueck et al.), 755

TSOUTSOPLIDES, GEORGE C. Ectopic production of human chorionic gonadotropin by a highly anaplastic adenocarcinoma of the endometrium, 694 (Comm. in brief)

Surgical management of extensive congenital hemangiofibrolipoma of the vulva in an infant, 260 (Comm. in brief)

TURBEVILLE, DAVID F. (see TARPAY, TURBEVILLE, and KROUS), 257

UCHIDA, HIROHISA (see YAMADA ET AL.), 1036 Udall, John N. (see Harrison, Udall, and Morrow), 411 UGENAS, ALDONNA J. (see HARRIS, MARRARO, and UGENAS), 408

VALENZUELA, GUILLERMO, and BODKHE, R. R. Effect of pregnancyinduced hypertension upon placental prostaglandin metabolism: Decreased prostaglandin  $F_{2}\alpha$  catabolism with normal prostaglandin E2 catabolism, 255 (Comm. in brief)

VANDE WIELE, R. L. (see JEWELEWICZ and VANDE WIELE), 339

Vaughn, Thomas C., Haney, A. F., Wiebe, R. Herbert, Kramer, Richard S., and Hammond, Charles B. Spontaneous regression of prolactin-producing pituitary adenomas, 980

VENESMAA, P. (see SEPPALA, VENESMAA, and RUTANEN), 189

VERMA, U. (see LEVY ET AL.), 646

VONTVER, LOUIS A. (see IRBY, VONTVER, and STENCHEVER), 1020

WALLENBURG, HENK C. S., and VAN KREEL, BERNARD K. Fetal and maternal concentrations of uric acid and oxypurines during labor and post partum, 513

WALLES, B. (see BATRA ET AL.). 986

WARENSKI, JAMES C. (see SCOTT ET AL.), 495

WATRING, WATSON G. (see BERMAN ET AL.), 679

WAXMAN, S. H. (see CROWELL ET AL.), 48

WEED, JOHN C., JR. (see HAMMOND, WEED, and CURRIE), 844

WEINSTEIN, LOUIS. Breast milk-A natural resource, 973 (Clinical opinion)

WEISS, GERSON (see SZLACHTER ET AL.), 584

WHITE, BEVERLY J. (see CURTIS ET AL.), 639
WHITE, ROBERT D. (see NIEBYL ET AL.), 1014

WHITTLE, MARTIN J., and MILLER, FRANK C. The evaluation of uterine activity, 38

WIDNESS, JOHN A., SCHWARTZ, HERBERT C., KAHN, CHARLES B., OH, WILLIAM, and SCHWARTZ, ROBERT. Glycohemoglobin in diabetic pregnancy: A sequential study, 1024

WIEBE, R. HERBERT (see VAUGHN ET AL.), 980

WIJNEN, HANS (see ROSENSHEIN, WIJNEN, and WOODRUFF), 635

WILKINSON, EDWARD J. (see FRIEDRICH, WILKINSON, and Fu), 830

WILLIAMS, G. A. (see CRUIKSHANK ET AL.), 621

WILLIAMS, RONALD L., CUNNINGHAM, GEORGE C., NORRIS, FRANK D., and TASHIRO, MICHIKO. Monitoring perinatal mortality rates: California, 1970 to 1976, 559

WILLIAMSON, H. OLIVER (see MATHUR, LANDGREBE, and WILLIAMSON),

WILSON, EMERY A. (see SUTHERLAND ET AL.), 992

WILSON, STEPHEN J. (see KATZ, WILSON, and YOUNG), 594

-(see Young, KATZ, and WILSON), 587

Wong, Kwei-Hay (see Thompson et al.), 179 WONG, P. Y. (see DORAN ET AL.), 309

WOODRUFF, J. DONALD (see ROSENSHEIN, WIJNEN, and WOODRUFF), 635 WOODS, M. M. (see DORAN ET AL.), 313

WOOLLEY, SUZANNE (see YUEN ET AL.), 286 WRITER, W. D. R. (see YOUNG ET AL.), 321

YAMADA, NORITSUNE, KIDO, KUNITOSHI, UCHIDA, HIROHISA, YANO, JURI, SAGAWA, NORIMASA, and HAYASHI, SUSUMU. Application of cephalosporins to obstetrics and gynecology: Transfer of cefazolin and cephalothin to uterine tissue, 1036

YANO, JURI (see YAMADA ET AL.), 1036

YEH, S. Y. (see MATTISON and YEH), 415

YEN, S. S C. (see CASPER ET AL.), 518 -(see Cousins ET AL.), 483

(see RIGG ET AL.), 537

YOUNG, BRUCE K., KATZ, MIRIAM, and WILSON, STEPHEN J. Sinusoidal fetal heart rate. I. Clinical significance, 587

-(see KATZ, WILSON, and Young), 594

YOUNG, DAVID C., GRAY, JOYCE H., LUTHER, EDWIN R., and PEDDLE, LEO J. Fetal scalp blood pH sampling: Its value in an active obstetric unit, 276

—, POPAT, R., —, SCOTT, K. E., and WRITER, W. D. R. Influence of maternal oxygen administration on the term fetus before labor, 321

YOUNGER, J. BENJAMIN (see ORR ET AL.), 412

YUEN, BASIL HO, CANNON, WENDY, LEWIS, JOYCE, SY, LYDIA, and WOOLLEY, SUZANNE. A possible role for prolactin in the control of human chorionic gonadotropin and estrogen secretion by the fetoplacental unit, 286

ZANINI, BERNARDINO, PAUL, RICHARD H., and HUEY, JAMES R. Intrapartum fetal heart rate: Correlation with scalp pH in the preterm fetus, 43

ZARITSKY, A. L. (see Lewis and ZARITSKY), 967

ZINSER, HANS (see NEUWIRTH ET AL.), 951

## Subject index\*

### A

Abdominal circumference, ratio of kidney circumference to, assessment of fetal kidney size in normal gestation by comparison of (Grannum et al.), 249

hysterectomy for abortion-sterilization (Stumpf, Ballard, and Lowensohn), 714

Abortion(s), first-trimester induced, ectopic trophoblast as complication of (Dessouky), 407 (Comm. in brief) induced or spontaneous, outcome of delivery following (Schoen-

baum et al.), 19

legal, and trends in fetal and infant mortality rates in Unites States (Bauman and Anderson), 194

missed tubal (Burrows, Moors, and Pekala), 691 (Comm. in brief) -sterilization, abdominal hysterectomy for (Stumpf, Ballard, and Lowensohn), 714

Acceleration, single, value of, in evaluating fetus at risk: Nonstress test (Mendenhall, O'Leary, and Phillips), 87

Acetylsalicylic acid, placental transfer of, in near-term ewes (Anderson, Phernetton, and Rankin), 814 Acidemia, metabolic, induction of fetal breathing by, and its effect on

blood flow to respiratory muscles (Molteni et al.), 609 Activity, uterine, evaluation of (Whittle and Miller), 38

Adenocarcinoma, highly anaplastic, of endometrium, ectopic production of human chorionic gonadotropin by (Tsoutsoplides), 694 (Comm. in brief)

Adenomas, prolactin-producing pituitary, spontaneous regression of (Vaughn et al.), 980

suspected pituitary, effect of pregnancy on, after conservative management of ovulation defects associated with galactorrhea (Shewchuk et al.), 659

Adenosine 3',5' cyclic monophosphate formation, gonadotropinreceptor interaction and, evidence that danazol inhibits gonadotropin-induced ovarian steroidogenesis at point distal to (Menon, Azhar, and Menon), 524

Adhesions, postoperative tubal, prevention of (diZerega and Hodgen),

Adrenergic blockade, beta, parasympathetic and, increased heart rate response to, in growth-retarded fetal lambs (Llanos et al.), 808 Adult rhesus monkeys, differentiation of sex steroid-binding protein

in (Burry et al.), 446 Age, fetal, and lecithin/sphingomyelin ratio, their relationship to: Pulmonary lamellar bodies in human amniotic fluid (Lee, Bell, and Novy), 60

large-for-gestational, infants, postpartum glycosylated hemoglobin levels in mothers of (Coen et al.), 380

I year of, relevance of correlates of infant deaths for significant

morbidity at (Shapiro et al.), 363 30 to 31, 34 to 35, and 38 to 39 weeks' gestational, circadian rhythms in maternal plasma cortisol and estriol concentrations at (Patrick et al.), 325

Agglutinating, sperm-, antibodies, immunoglobulin concentration in serum and seminal fluid from men with and without (Friberg), 671

Alanine-stimulated insulin secretion in fetal and neonatal lamb (Philipps, Dubin, and Raye), 597

Alveolar cell carcinoma (A549), effect of prolactin on phospholipid biosynthesis by, in monolayer tissue culture (Porreco, Merritt, and Gluck), 1071

Amenorrhea-galactorrhea syndromes, predicted ovulatory response to 2-brom-alpha-ergocryptine (CB 154) in (Shewchuk et al.), 652 American Association of Obstetricians and Gynecologists, transactions,

ninetieth annual meeting, 825-956 Amnionitis, listeria, as cause of fetal distress (Koh, Cole, and Orkin),

261 (Comm. in brief) Amniotic fluid, bacteriology of, during labor, reassessment of: Determinants of postpartum morbidity in laboring monitored patients (D'Angelo and Sokol), 575

calcium-regulating hormones and ions in (Cruikshank et al.), 621

Amniotic fluid-Cont'd

capillary method for assessment of pulmonary maturity in utero with use of (Sing), 228

catecholamine metabolites in, as indicators of intrauterine stress (Lagercrantz et al.), 1067

cell cultures, mosaic and hypermodal cells in (King et al.), 383 human, natural occurrence of humoral response to Candida in (Auger et al.), 1075

pulmonary lamellar bodies in: Their relationship to fetal age and lecithin/sphingomyelin ratio (Lee, Bell, and Novy), 60

from intact fetal membranes, bacterial colonization of (Miller, Pupkin, and Hill), 796

lipids in sickle cell disease (Das and Foster), 211

neural origin of cells in (Sarkar et al.), 67 testosterone and follicle-stimulating hormone assay in prenatal determination of fetal sex (Doran et al.), 309

tests for fetal pulmonic maturity, clinical applicability of (O'Brien and Cefalo), 135 (Current developments)

thyroid hormone concentrations during human gestation (Klein et al.), 626

intra-, prostaglandin F<sub>2</sub>α, termination of pregnancy complicated by anencephaly with (Schwartz and Brenner), 203 Ampullary and isthmic regions of human fallopian tube, female sex

steroid concentrations in, and their relationship to plasma concentrations during menstrual cycle (Batra et al.), 986 Amylase/creatinine clearance ratio in normal pregnancy and preg-

nancies complicated by pancreatitis, hyperemesis gravidarum, and toxemia (DeVore, Bracken, and Berkowitz), 747 Anaplastic adenocarcinoma, highly, of endometrium, ectopic produc-

tion of human chorionic gonadotropin by (Tsoutsoplides), 694 (Comm. in brief)

Androgen(s)-binding component, evidence for, in cytosol of human term placenta (Stanley, Milwidsky, and Besch), 1003

and estrogens, its conversion into, its metabolic clearance rate, and its production rate, use of constant infusion of unlabeled steroid to assess: Metabolism of androstenedione in human pregnancy (Belisle, Lehoux, and Brault), 1030

serum, in postmenopausal women with and without endometrial cancer (Judd et al.), 859

Androstenedione, metabolism of, in human pregnancy: Use of constant infusion of unlabeled steroid to assess its metabolic clearance rate, its production rate, and its conversion into androgens and estrogens (Belisle, Lehoux, and Brault), 1030 Anencephaly, termination of pregnancy complicated by, with intra-

amniotic prostaglandin F2α (Schwartz and Brenner), 203 Anesthesia, bladder pillar block, for urethral dilatation in women (Os-

tergard), 187

Angiotensin II pressor response, effect of pregnancy on, in rabbit (Berssenbrugge et al.), 762 cardiac abnormalities in female hypogonadotropic

hypogonadism with (Kemmann, Conrad, and Jones), 964 (Comm. in brief)

Antibodies, cervical mucus, and postcoital test, I. Immunologic infer-tility (Moghissi, Sacco, and Borin), 940 sperm-agglutinating, immunoglobulin concentration in serum and

seminal fluid from men with and without (Friberg), 671 occurrence of, in human reproduction. I. Comparative new and

improved test methods for sperm antibody detection (Mettler, Shirwani, and Gradl), 106 Apnea, human fetal, definition of, and distribution of fetal apneic

intervals during last ten weeks of pregnancy (Patrick et al.), Apneic intervals, fetal, distribution of, during last ten weeks of preg-

nancy, definition of human fetal apnea and (Patrick et al.),

Artery (arteries) blood flow, ovarian, uterine and, in pregnant dog (Abitbol, Demeter, and Benaroch), 780

<sup>\*</sup>January 1, 1-152; January 15, 153-268; February 1, 269-418; February 15, 419-550; March 1, 551-708; March 15, 709-824; April 1, 825-972; April 15, 973-1112.

Artery (arteries)-Cont'd

catheter, flow-directed pulmonary, hemodynamic observations in severe pre-eclampsia with (Benedetti et al.), 465

ligation, internal iliac, for postpartum hemorrhage: Recanalization of vessels (Dubay, Holshauser, and Burchell), 689 (Comm. in brief)

uterine, uterine and renal rena release after ligation of, in pregnant rabbit (Katz et al.), 676 (Current investigation) Assay(s), amniotic fluid testosterone and follicle-stimulating hormone,

in prenatal determination of fetal sex (Doran et al.), 309 human placental lactogen, role of, in antepartum fetal assessment (Morrison, Green, and Oomen), 1055

Attitude, maternal, relationship of, to pregnancy outcomes and obstetric complications (Laukaran and van den Berg), 374 Auditory evoked responses, newborn brain stem, and perinatal clinical events (Barden and Peltzman), 912

Bacteremia or pelvic infection—Consequence of gynecologic biopsies (Harris, Marraro, and Ugenas), 408 (Comm. in brief) Bacterial colonization of amniotic fluid from intact fetal membranes

(Miller, Pupkin, and Hill), 796

Bacteriology of amniotic fluid during labor, reassessment of: Determinants of postpartum morbidity in laboring monitored patients (D'Angelo and Sokol), 575

Behavioral state, heart rate as indicator of (van Geijn et al.), 1061 Benign glandular inclusions, distinguishing lymph node metastases from, in low-grade ovarian carcinoma (Ehrmann, Federschneider, and Knapp), 737

Beta adrenergic blockade, parasympathetic and, increased heart rate response to, in growth-retarded fetal lambs (Llanos et al.), 808 Betamethasone, effects of, on fetal development in rabbit (Barrada,

Blomquist, and Kotts) 234 results of double-blind controlled study on use of, in prevention of

respiratory distress syndrome (Doran et al.), 313 Binding, androgen-, component, evidence for, in cytosol of human term placenta (Stanley, Milwidsky, and Besch), 1003

danazol, and translocation of steroid receptors (Chamness, Asch,

and Pauerstein), 426 protein, sex steroid-, differentiation of, in adult rhesus monkeys (Burry et al.), 446

steroid-, studies, ultrastructure and, in leiomyomatosis peritonealis disseminata (Sutherland et al.), 992

Biophysical profile, fetal, development of: Antepartum fetal evaluation (Manning, Platt, and Sipos), 787

Biopsy (biopsies), gynecologic, consequence of-Bacteremia or pelvic infection (Harris, Marraro, and Ugenas), 408 (Comm. in brief)

interval, luteinizing hormone peak-, correlation between histologic dating of human corpus luteum and (Croxatto, Ortiz, and Croxatto), 667

Biosynthesis, phospholipid, by alveolar cell carcinoma (A549) in monolayer tissue culture, effect of prolactin on (Porreco, Merritt, and Gluck), 1071

Birth, infants weighing 1,000 to 2,000 grams at, and delivered in perinatal unit, growth and development of (Shennan and Milligan), 273

weight, infant, maternal obesity, and weight gain in pregnancy (Harrison, Udall, and Morrow), 411 (Comm. in brief)

Bistable, comparison of, with gray scale and real-time techniques: Sonar fetal cephalometry (Santos-Ramos, Duenhoelter, and Reisch), 805

Bladder pillar block anesthesia for urethral dilatation in women (Ostergard), 187

Bleomycin, cis-platinum, and vinblastine, sustained remission of choriocarcinoma with, after failure of conventional combination drug therapy (Schlaerth, Morrow, and DePetrillo), 983

Blood flow, maternal placental, relationship of, to placental clearance of maternal plasma dehydroisoandrosterone sulfate through placental estradiol formation (Everett et al.), 435

to respiratory muscles, its effect on, induction of fetal breathing by metabolic acidemia and (Molteni et al.), 609

uterine, effect of nicotine upon, in pregnant rhesus monkey (Suzuki, Minei, and Johnson), 1009

and ovarian artery, in pregnant dog (Abitbol, Demeter, and Benaroch), 780 pH sampling, fetal scalp: Value in active obstetric unit (Young et al.), Blood-Cont'd

pressure(s), brachial and femoral, during prenatal period (Marx, Husain, and Shiau), 11 and oral progestational agents (Hall et al.), 344 Books received, 268, 418, 1090

Brachial and femoral blood pressures during prenatal period (Marx, Husain, and Shiau), 11

Brain and somatic weight, fetal, prenatal determination of, by ultrasound (Jordaan and Clark), 54 stem auditory evoked responses, newborn, and perinatal clinical

events (Barden and Peltzman), 912 Breast milk-natural resource (Weinstein), 973 (Clinical opinion)

Breathing, fetal, induction of, by metabolic acidemia and its effect on blood flow to respiratory muscles (Molteni et al.), 609 movements, fetal, in response to maternal inhalation of 5% carbon

dioxide (Ritchie and Lakhani), 386 second means of identifying, using Doppler ultrasound (Goodman and Mantell), 73

Cadmium-induced fetal growth retardation: Protective effect of excess dietary zinc (Ahokas, Dilts, and LaHaye), 216

Calcium-regulating hormones and ions in amniotic fluid (Cruikshank et al.), 621 California, 1970 to 1976: Monitoring perinatal mortality rates

(Williams et al.), 559 Canalization (re-) of vessels: Internal iliac artery ligation for

postpartum hemorrhage (Dubay, Holshauser, and Burchell), 689 (Comm. in brief)

Cancer, endometrial, prognosis and treatment of (Berman et al.), 679 (Current developments) serum androgens and estrogens in postmenopausal women with

and without (Judd et al.), 859

Candida, natural occurrence of humoral response to, in human amniotic fluid (Auger et al.), 1075

Capillary method for assessment of pulmonary maturity in utero with use of amniotic fluid (Sing), 228 Carbon dioxide, 5%, fetal breathing movements in response to mater-

nal inhalation of (Ritchie and Lakhani), 386 laser therapy, high-power-density, for early cervical neoplasia

(Baggish), 117 Carcinoma (A549), alveolar cell, effect of prolactin on phospholipid biosynthesis by, in monolayer tissue culture (Porreco, Merritt,

and Gluck), 1071 of endometrium: Stage I (Malkasian, Annegers, and Fountain), 872 invasive, of uterine cervix, results of radical surgical procedures after radiation for treatment of, in private practice (Bonar),

1006 low-grade ovarian, distinguishing lymph node metastases from be-nign glandular inclusions in (Ehrmann, Federschneider, and

Knapp), 737 in situ of vulva: Continuing challenge (Friedrich, Wilkinson, and Fu), 830

Cardiac abnormalities in female hypogonadotropic hypogonadism with anosmia (Kemmann, Conrad, and Jones), 964 (Comm. in brief)

disease, severe rheumatic, and pregnancy: Ultimate prognosis (Chesley), 552

systolic time intervals in fetal monkeys: Ventricular ejection time (Murata et al.), 603

Cardiotocographic tracings, retrospective estimations of fetal movements from, fetal movements registered by pregnant woman correlated to (Neldam and Jessen), 1051

Catabolism, decreased prostaglandin  $F_4\alpha$ , with normal prostaglandin  $E_4$  catabolism: Effect of pregnancy-induced hypertension upon placental prostaglandin metabolism (Valenzuela and Rodkhe), 255 (Comm. in brief)

Catecholamine metabolites in amniotic fluid as indicators of intrauterine stress (Lagercrantz et al.), 1067

Catheter, flow-directed pulmonary artery, hemodynamic observations in severe pre-eclampsia with (Benedetti et al.), 465

CB-154 (2-brom-alpha-ergocryptine), predicted ovulatory response to, in amenorrhea-galactorrhea syndromes (Shewchuk et al.), 652

Cefamandole therapy of endomyometritis following cesarean section (Gibbs and Huff), 32

Cefazolin and cephalothin, transfer of, to uterine tissue: Application of cephalosporins to obstetrics and gynecology (Yamada et al.),

- Cell(s) in amniotic fluid, neural origin of (Sarkar et al.), 67
- B-, function, residual, effects of exogenous insulin on excursions and diurnal rhythm of plasma glucose in pregnant diabetic patients with and without (Rigg et al.), 537
- disease, sickle, amniotic fluid lipids in (Das and Foster), 211
- lines, finite, from normal human endometrium, establishment and morphologic characterization of (Trent, Davis, and Payne), 352
- mosaic and hypermodal, in amniotic fluid cell cultures (King et al.), 383
- Cephalometry, sonar fetal: Comparison of bistable with gray scale and real-time techniques (Santos-Ramos, Duenhoelter, and Reisch), 805
- Cephalosporins, application of, to obstetrics and gynecology: Transfer of cefazolin and cephalothin to uterine tissue (Yamada et al.), 1036
- Cephalothin, cefazolin and, transfer of, to uterine tissue: Application of cephalosporins to obstetrics and gynecology (Yamada et al.), 1036
- sodium, and metronidazole, comparison of: Single-dose and multidose prophylaxis in vaginal hysterectomy (Hamod et al.),
- Cervical mucus antibodies and postcoital test, I. Immunologic infertility (Moghissi, Sacco, and Borin), 940
- neoplasia, early, high-power-density carbon dioxide laser therapy for (Baggish), 117
- pregnancy, ultrasound diagnosis of (Szeja, Rahaghi, and Rentz), 416
- (Comm. in brief) resistance, total uterine impulse and, at parturition (Rossavik), 579
- Cervix, pregnancy following conization of: Complications related to cone size (Leiman, Harrison, and Rubin), 14
- e, indolent necrotizing granulomas of, possibly related to chlamydial infection (Christie and Krieger), 958 (Comm. in brief)
- invasive carcinoma of, results of radical surgical procedures after radiation for treatment of, in private practice (Bonar), 1006 Cesarean section(s), cefamandole therapy of endomyometritis follow
  - ing (Gibbs and Huff), 32 maternal mortality rate associated with: Appraisal (Frigoletto,
  - Ryan, and Phillippe), 969 (Comm. in brief) primary, infectious morbidity after, in private institution (Anstey, Sheldon, and Blythe), 205
- Chlamydial infection, indolent necrotizing granulomas of uterine cervix, possibly related to (Christie and Krieger), 958 (Comm. in brief)
- Cholesterol, triglyceride, glycerol, and glucose concentrations, plasma, in postmature rabbit (Harlow, Roux, and Shapiro), 500
- Chorioamnionitis, acute, management of (Gibbs, Castillo, and Rodgers), 709 (Clinical opinion)
- Choriocarcinoma, sustained remission of, with cis-platinum, vinblastine, and bleomycin after failure of conventional combination
- drug therapy (Schlaerth, Morrow, and DePetrillo), 983 Chorionic gonadotropin, high-dose, comparative study of, on human and rat corpus luteum and effect of gonadotropin-releasing hormone on human luteal function (Caldwell et al.), 458
- Chromosome mosaicism, sex, stability of (Elias, Martin, and Simpson), 509
- nonfluorescent Y, mosaicism and, gonadal dysgenesis with: Report of two cases with correlation of clinical, pathologic, and cytogenetic findings (Curtis et al.), 639
- Circadian rhythms in maternal plasma cortisol and estriol concentra-tions at 30 to 31, 34 to 35, and 38 to 39 weeks' gestational age (Patrick et al.), 325
- Circulation, fetoplacental, sampling. IV. Preliminary experience in pregnant baboon (Papio cynocephalus) (Morris et al.), 531
- Circumference, kidney, ratio of, to abdominal circumference, assessment of fetal kidney size in normal gestation by comparison of (Grannum et al.), 249
- Cis-platinum, vinblastine, and bleomycin, sustained remission of choriocarcinoma with, after failure of conventional combination drug therapy (Schlaerth, Morrow, and DePetrillo), 983
- Clerkship, multi-site clinical, evaluation of student performance in (Irby, Vontver, and Stenchever), 1020
- Clinical clerkship, multi-site, evaluation of student performance in (Irby, Vontver, and Stenchever), 1020 opinion, 153-158, 335-338, 709-713, 973-975
- Coagulation failures, laparoscopic tubal, high rate of ectopic pregnancy following (McCausland), 97

- Coital (post-) test, cervical mucus antibodies and, I. Immunologic infertility (Moghissi, Sacco, and Borin), 940
- Communications in brief, 255-263, 407-417, 689-695, 957-970
- Conception rates, cumulative, following gonadotropin therapy (Dor et al.), 102
- Cone size, complications related to: Pregnancy following conization of cervix (Leiman, Harrison, and Rubin), 14
- Congenital hemangiofibrolipoma, extensive, of vulva, surgical man-
- agement of, in infant (Tsoutsoplides), 260 (Comm. in brief) Conization of cervix, pregnancy following: Complications related to cone size (Leiman, Harrison, and Rubin), 14
- Contact hysteroscopy; Another method of endoscopic examination of uterine cavity (Barbot, Parent, and Dubuisson), 721
- Contraceptive device use, intrauterine, and pelvic inflammatory disease (Kaufman et al.), 159
- users, intrauterine, recognizing malignancy in (Castadot et al.), 966 (Comm. in brief)
- formulations, four oral, and contraceptive vaginal ring, comparison of metabolic and clinical effects of (Roy et al.), 920
- Contractility, uterine, and oxytocin sensitivity in preterm, term, and postterm pregnancy (Takahashi et al.), 774
- Corpus (corpora) luteum (lutea), human, histologic dating of, and luteinizing hormone peak-biopsy interval, correlation between (Croxatto, Ortiz, and Croxatto), 667
  - of pregnancy, myometrial inhibiting activity of relaxin-containing extracts of (Szlachter et al.), 584
  - and rat, comparative study of high-dose chorionic gonadotropin on, and effect of gonadotropin-releasing hormone on human luteal function (Caldwell et al.), 458
- Correspondence, 145-147, 264-267, 696-698, 819-824, 1080-1089
- Cortisol and estriol concentrations, maternal plasma, at 30 to 31, 34 to 35, and 38 to 39 weeks' gestational age, circadian rhythms in (Patrick et al.), 325
- Creatinine, amylase/, clearance ratio in normal pregnancy and pregnancies complicated by pancreatitis, hyperemesis gravidarum, and toxemia (DeVore, Bracken, and Berkowitz), 747
- Cryosurgery for vaginal dysplasia, ileovaginal fistula following (Dini and Jafari), 691 (Comm. in brief)
- Culture(s), amniotic fluid cell, mosaic and hypermodal cells in (King et al.), 383
- monolayer tissue, effect of prolactin on phospholipid biosynthesis by alveolar cell carcinoma (A549) in (Porreco, Merritt, and Gluck), 1071
- organ, progesterone-induced glycogen accumulation in human endometrium during (Shapiro, Dyer, and Colás), 419 Current developments, 135-144, 679-688
- investigation, 676-678
- Cyclic changes in human fallopian tube isthmus and their functional importance (Jansen), 292
- Cystic hygroma, ultrasound diagnosis of (Frigoletto et al.), 962 (Comm. in brief)
- Cytogenetic, clinical, and pathologic findings, report of two cases with correlation of: Gonadal d<sub>/</sub>sgenesis with mosaicism and nonfluorescent Y chromosome (Curtis et al.), 639
- Cytomegalovirus, fetal heart block caused by (Lewis, Cefalo, and Zaritsky), 967 (Comm. in brief)
- Cytosol of human term placenta, evidence for androgen-binding com-ponent in (Stanley, Milwidsky, and Besch), 1003 Cytosolic estrogen receptors, concentration of, in patients with
- postmenopausal osteoporosis (Davidson et al.), 430
  - D
- Danazol binding and translocation of steroid receptors (Chamness, Asch, and Pauerstein), 426
- inhibits gonadotropin-induced ovarian steroidogenesis, evidence that, at point distal to gonadotropin-receptor interaction and adenosine 3',5' cyclic monophosphate formation (Menon, Azhar, and Menon), 524
- mechanism of induction of luteal phase defects by (Asch et al.), 932 Deaths, infant, correlates of, for significant morbidity at 1 year of age, relevance of (Shapiro et al.), 363
- Decelerations, artificially produced late, of fetal heart rate in sheep, fetal oxygen consumption and mechanisms of heart rate re-
- sponse during (Parer, Krueger, and Harris), 478 early, VI. Clinical significance of fetal heart rate patterns during labor (Cibils), 392
- variable, neonatal heart rate reactivity following, during labor (Katz et al.), 389

- Dehydroisoandrosterone sulfate, maternal plasma, relationship of maternal placental blood flow to placental clearance of, through placental estradiol formation (Everett et al.), 435
- Delivered in perinatal unit, infants weighing 1,000 to 2,000 grams at birth and, growth and development of (Shennan and Milligan), 273
- Delivery following induced or spontaneous abortion, outcome of (Schoenbaum et al.), 19
- Development, fetal, effects of betamethasone on, in rabbit (Barrada, Blomquist, and Kotts), 234
  - growth and, of infants weighing 1,000 to 2,000 grams at birth and delivered in perinatal unit (Shennan and Milligan), 273
- Diabetic patients, pregnant, with and without residual B-cell function, effects of exogenous insulin on excursions and diurnal rhythm of plasma glucose in (Rigg et al.), 537
- rhythm of plasma glucose in (Rigg et al.), 537 pregnancy, glycohemoglobin in: Sequential study (Widness et al.), 1024
- Dicentric X formed by telomeric fusion, replication and inactivation of (Sarto and Therman), 904
- Dietary lead and zinc, effects of, on fetal organ growth (Dilts and Ahokas), 889
- zinc, excess, protective effect of: Cadmium-induced fetal growth retardation (Ahokas, Dilts, and LaHaye), 216
- tardation (Ahokas, Dilts, and LaHaye), 216 Dilatation, urethral, bladder pillar block anesthesia for, in women (Os-
- tergard), 187
  Disease, acute pelvic inflammatory, in hospitalized patients, mi-
- crobiology and the apy of (Thompson et al.), 179 gestational trophoblastic, role of operation in current therapy of
- (Hammond, Weed, and Currie), 844 pelvic inflammatory, intrauterine contraceptive device use and (Kaufman et al.), 159
  - simultaneous real-time ultrasound scanning and pelvic examination in assessment of (Platt, Manning, and Hill), 693 (Comm.
- persistent trophoblastic, high-risk factor for development of: Acute pulmonary edema associated with molar pregnancies (Orr et al.), 412 (Comm. in brief)
- al.), 412 (Comm. in briet)
  severe rheumatic cardiac, and pregnancy: Ultimate prognosis (Ches-
- sickle cell, amniotic fluid lipids in (Das and Foster), 211
- Distress, fetal, following reactive nonstress test (Schmidt, Thorney-croft, and Goebelsmann), 960 (Comm. in brief)
- listeria amnionitis as cause of (Koh, Cole, and Orkin), 261 (Comm. in brief)
- syndrome, respiratory, results of double-blind controlled study on use of betamethasone in prevention of (Doran et al.), 313
- Diurnal rhythm, excursions and, of plasma glucose, effects of exogenous insulin on, in pregnant diabetic patients with and without residual B-cell function (Rigg et al.), 537
- rhythm, 24-hour excursion and, of glucose, insulin, and C-peptide in normal pregnancy (Cousins et al.), 483
- Diverticula of female urethra (Hajj and Evans), 335 (Clinical opinion)

  Doppler ultrasound, second means of identifying fetal breathing
  movements using (Goodman and Mantell), 73
- Drug therapy, conventional combination, sustained remission of choriocarcinoma with cis-platinum, vinblastine, and bleomycin after failure of (Schlaerth, Morrow, and DePetrillo), 983
- Dysgenesis, gonadal, with mosaicism and nonfluorescent Y chromosome: Report of two cases with correlations of clinical, pathologic, and cytogenetic findings (Curtis et al.), 639
- Dyspareunia, female (Lamont), 282 Dysplasia, vaginal, ileovaginal fistula following cryosurgery for (Dini and Jafari), 691 (Comm. in brief)
  - F
- Ectopic pregnancy, high rate of, following laparascopic tubal coagulation failures (McCausland), 97
  - pregnancy-specified beta-l glycoprotein in (Seppälä, Venesmaa, and Rutanen), 189
- production of human chorionic gonadotropin by highly anaplastic adenocarcinoma of endometrium (Tsoutsoplides), 694 (Comm. in brief)
- trophoblast as complication of first-trimester induced abortion (Dessouky), 407 (Comm. in brief)
- Edema, acute pulmonary, associated with molar pregnancies: Highrisk factor for development of persistent trophoblastic disease (Orr et al.), 412 (Comm. in brief)
- Editorial, 551

- Electrocortical activity, fetal, physiologic variability and (Clapp et al.). 1045
- Endometrial cancer, prognosis and treatment of (Berman et al.), 679 (Current developments)
  - serum androgens and estrogens in postmenopausal women with and without (Judd et al.), 859
- Endometrium, carcinoma of: Stage I (Malkasian, Annegers, and Fountain). 872
- highly anaplastic adenocarcinoma of, ectopic production of human chorionic gonadotropin by (Tsoutsoplides), 694 (Comm. in brief)
- human, estradiol and progesterone receptors in: Normal and abnormal menstrual cycles and early pregnancy (Levy et al.), 646
- progesterone-induced, in human endometrium during organ culture (Shapiro, Dyer, and Colás), 419
- normal human, establishment and morphologic characterization of finite cell lines from (Trent, Davis, and Payne), 352
- Endomyometritis, cefamandole therapy of, following cesarean section (Gibbs and Huff), 32
- Endoscopic examination of uterine cavity, another method of: Contact hysteroscopy (Barbot, Parent, and Dubuisson), 721
- Endoscopy, suprapubic, for interval female sterilization (Laufe), 257 (Comm. in brief)
- Epidemiologic study of risk factors associated with pregnancy following female sterilization (Chi et al.), 768
- Ergocryptine (CB-154), 2-brom-alpha-, predicted ovulatory response to, in amenorrhea-galactorrhea syndromes (Shewchuk et al.), 652
- Estradiol, estriol, progesterone, and 17-hydroxyprogesterone in late pregnancy and labor (Mathur, Landgrebe, and Williamson), 25
  - formation, placental, relationship of maternal placental blood flow to placental clearance of maternal plasma dehydroisoandrosterone sulfate through (Everett et al.), 435
  - and progesterone receptors in human endometrium: Normal and abnormal menstrual cycles and early pregnancy (Levy et al.),
- Estriol concentrations, maternal plasma cortisol and, at 30 to 31, 34 to 35, and 38 to 39 weeks' gestational age, circadian rhythms 'n (Patrick et al.). 325
- (Patrick et al.), 325 progesterone, 17-hydroxyprogesterone, and estradiol in late pregnancy and labor (Mathur, Landgrebe, and Williamson), 25
- Estrogen(s), androgens and, its conversion into, its metabolic clearance rate, and its production rate, use of constant infusion of unlabeled steroid to assess: Metabolism of androstenedione in human pregnancy (Belisle, Lehoux, and Brault), 1030
  - receptors, cytosolic, concentration of, in patients with postmenopausal osteoporosis (Davidson et al.), 430
  - role for, in progesterone production during baboon pregnancy (Albrecht), 569
- secretion, human chorionic gonadotropin and, by fetoplacental unit, possible role for prolactin in control of (Yuen et al.), 286
- serum androgens and, in postmenopausal women with and without endometrial cancer (Judd et al.), 859
- Excursion(s) and diurnal rhythm of plasma glucose, effects of exogenous insulin on, in pregnant diabetic patients with and without residual B-cell function (Rigg et al.), 537
- 24-hour, and diurnal rhythm of glucose, insulin, and C-peptide in normal pregnancy (Cousins et al.), 483
- Exercise stress, acute, in pregnant ewe (Clapp), 489
- Exogenous insulin, effects of, on excursions and diurnal rhythm of plasma glucose in pregnant diabetic patients with and without residual B-cell function (Rigg et al.), 537
  - F
- Fallopian tube, female sex steroid concentrations in ampullary and isthmic regions of, and their relationship to plasma concentrations during menstrual cycle (Batra et al.), 986
  - isthmus, human, cyclic changes in, and their functional importance (Jansen), 292
- Femoral blood pressures, brachial and, during prenatal period (Marx, Husain, and Shiau), 11
- Husain, and Shiau), 11

  Fetal age and lecithin/sphingomyelin ratio, their relationship to: Pulmonary lamellar bodies in human amniotic fluid (Lee, Bell, and Novy), 60
- apnea, human, definition of, and distribution of fetal apneic intervals during last ten weeks of pregnancy (Patrick et al.), 471

Fetal-Cont'd

assessment, antepartum, role of human placental lactogen assays in (Morrison, Green, and Oomen), 1055

brain and somatic weight, prenatal determination of, by ultrasound (Jordaan and Clark), 54

breathing, induction of, by metabolic acidemia and its effect on blood flow to respiratory muscles (Molteni et al.), 609 movements in response to maternal inhalation of 5% carbon

novements in response to maternal inhalation of 5% carbon dioxide (Ritchie and Lakhani), 386

second means of identifying, using Doppler ultrasound (Goodman and Mantell), 73

cephalometry, sonar: Comparison of bistable with gray scale and real-time techniques (Santos-Ramos, Duenhoelter, and Reisch), 805

development, effects of betamethasone on, in rabbit (Barrada, Blomquist, and Kotts), 234

distress following reactive nonstress test (Schmidt, Thorneycroft, and Goebelsmann), 960 (Comm. in brief)

listeria amnionitis as cause of (Koh, Cole, and Orkin), 261 (Comm. in brief)

electrocortical activity, physiologic variability and (Clapp et al.), 1045 evaluation, antepartum: Development of fetal biophysical profile (Manning, Platt, and Sipos), 787

growth retardation, cadmium-induced: Protective effect of excess dietary zinc (Ahokas, Dilts, and LaHaye), 216

heart block caused by cytomegalovirus (Lewis, Cefalo, and Zaritsky), 967 (Comm. in brief)

rate, intrapartum: Correlation with scalp pH in preterm fetus (Zanini, Paul, and Huey), 43

patterns during labor, clinical significance of. VI. Early decelerations (Cibils), 392

sinusoidal. II. Continuous tissue pH studies (Katz, Wilson, and Young), 594

testing, antepartum. IV. The nonstress test as primary approach (Keegan and Paul), 75

V. Nonstress test—outpatient approach (Keegan et al.), 81 and infant mortality rates in United States, legal abortions and trends in (Bauman and Anderson), 194

kidney size, assessment of, in normal gestation by comparison of ratio of kidney circumference to abdominal circumference (Grannum et al.), 249

lambs, growth-retarded, increased heart rate response to parasympathetic and beta adrenergic blockade in (Llanos et al.), 808 and maternal concentrations of uric acid and oxypurines during

labor and post partum (Wallenburg and van Kreel), 513
membranes, conservative management of preterm premature rupture of, in low socioeconomic population (Schreiber and Benederti), 99

intact, bacterial colonization of amniotic fluid from (Miller, Pupkin, and Hill), 796

term human, in vitro conversion of pregnenolone to progesterone by (Gibb, Lavoie, and Roux), 631

monkeys, cardiac systolic time intervals in: Ventricular ejection time (Murata et al.), 603

movements registered by pregnant woman correlated to retrospective estimations of fetal movements from cardiotocographic tracings (Neldam and Jessen), 1051

rhythmic (Adamson, Cousin, and Gare), 239

and neonatal lamb, alanine-stimulated insulin secretion in (Philipps, Dubin, and Raye), 597

organ growth, effects of dietary lead and zinc on (Dilts and Ahokas),

oxygen consumption, increased, clinical and physiologic implications of (Lorijn and Longo), 451

and mechanisms of heart rate response during artificially produced late decelerations of fetal heart rate in sheep (Parer, Krueger, and Harris), 478

platelet counts in obstetric management of immunologic thrombocytopenic purpura (Scott et al.), 495

pulmonic maturity, clinical applicability of amniotic fluid tests for (O'Brien and Cefalo), 135 (Current developments) reactivity, diminished, with smoking (Phelan), 230

scalp blood pH sampling: Value in active obstetric unit (Young et al.), 276

sex, amniotic fluid testosterone and follicle-stimulating hormone assay in prenatal determination of (Doran et al.), 309

tissues, rat maternal and, protein synthesis in, with starvation (Hayashi and MacFarlane), 897 Fetoplacental circulation, sampling. IV. Preliminary experience in pregnant baboon (Papio cynocephalus) (Morris et al.), 531

unit, possible role for prolactin in control of human chorionic gonadotropin and estrogen secretion by (Yuen et al.), 286

Fetus, postmature, in vitro palmitate and glucose metabolism in (Masse et al.), 505

preterm, correlation with scalp pH in: Intrapartum fetal heart rate (Zanini, Paul, and Huey), 43 at risk, value of single acceleration in evaluating: Nonstress test

(Mendenhall, O'Leary, and Phillips), 87 term, influence of maternal oxygen administration of, before labor

term, influence of maternal oxygen administration of, before labor (Young et al.), 321 Finite cell lines from normal human endométrium, establishment and

Finite cell lines from normal human endométrium, establishment and morphologic characterization of (Trent, Davis, and Payne), 352

Fistula, ileovaginal, following cryosurgery for vaginal dysplasia (Dini and Jafari), 691 (Comm. in brief) Fluorescence microviscosimetry, lecithin/sphingomyelin ratio, and

Fluorescence microviscosimetry, lecithin/sphingomyelin ratio, and lung phospholipid profile, blind comparison study of (Golde and Mosley), 222

Fluorescent (non-) Y chromosome, mosaicism and, gonadal dysgenesis with: Report of two cases with correlation of clinical, pathologic, and cytogenetic findings (Curtis et al.), 639

Fluoride, intravenous, placental transfer of, in pregnant ewe (Maduska et al.), 84

Follicle-stimulating hormone assay, amniotic fluid testosterone and, in prenatal determination of fetal sex (Doran et al.), 309

Fusion, telomeric, replication and inactivation of dicentric X formed by (Sarto and Therman), 904

### G

Galactorrhea, amenorrhea-, syndromes, predicted ovulatory response to 2-brom-alpha-ergocryptine (CB 154) in (Shewchuk et al.), 652

effect of pregnancy on suspected pituitary adenomas after conservative management of ovulation defects associated with (Shewchuk et al.), 659

Genital tract, human female, vasoactive intestinal polypeptide nerves in (Alm et al.), 349

Gestation, human, amniotic fluid thyroid hormone concentrations during (Klein et al.), 626

normal, assessment of fetal kidney size in, by comparison of ratio of kidney circumference to abdominal circumference (Grannum et al.). 249

Gestational age, large-for-, infants, postpartum glycosylated hemoglobin levels in mothers of (Coen et al.), 380

30 to 31, 34 to 35, and 38 to 39 weeks', circadian rhythms in maternal plasma cortisol and estriol concentrations at (Patrick et al.), 325

trophoblastic disease, role of operation in current therapy of (Hammond, Weed, and Currie), 844

neoplasms, metastatic, treatment of (Lewis), 163

Glandular inclusions, benign, distinguishing lymph node metastases from, in low-grade ovarian carcinoma (Ehrmann, Federschneider, and Knapp), 737

schneider, and Knapp), 737 Glycerol, glucose, cholesterol, and triglyceride concentrations, plasma, in postmature rabbit (Harlow, Roux, and Shapiro), 500 Glycogen accumulation, progesterone-induced, in human endome-

trium during organ culture (Shapiro, Dyer, and Colás), 419 Glycohemoglobin in diabetic pregnancy: Sequential study (Widness et al.), 1024

Glycoprotein, pregnancy-specific beta-l, in ectopic pregnancy (Seppala, Venesmaa, and Rutanen), 189

Glycosylated hemoglobin levels, postpartum, in mothers of largefor-gestational age infants (Coen et al.), 380

Glucose, cholesterol, triglyceride, and glycerol concentrations, plasma, in postmature rabbit (Harlow, Roux, and Shapiro), 500

insulin, and C-peptide, 24-hour excursion and diurnal rhythm of, in normal pregnancy (Cousins et al.), 483

metabolism, in vitro palmitate and, in postmature fetus (Masse et al.), 505

plasma, effects of exogenous insulin on excursions and diurnal rhythm of, in pregnant diabetic patients with and without residual B-cell function (Rigg et al.), 537

Gonadal dysgenesis with mosaicism and nonfluorescent Y chromosome: Report of two cases with correlation of clinical, pathologic, and cytogenetic findings (Curtis et al.), 639

- Gonadotropin, high-dose chorionic, comparative study of, on human and rat corpus luteum and effect of gonadotropin-releasing hormone on human luteal function (Caldwell et al.), 458
  - human chorionic, ectopic production of, by highly anaplastic adenocarcinoma of endometrium (Tsoutsoplides), 694 (Comm. in
  - and estrogen secretion by fetoplacental unit, possible role for prolactin in control of (Yuen et al.), 286 -induced ovarian steroidogenesis, evidence that danazol inhibits, at
- point distal to gonadotropin-receptor interaction and adenosine 3',5' cyclic monophosphate formation (Menon, Azhar, and Menon), 524
- steroid production and responsiveness to, in isolated stromal tissue of human postmenopausal ovaries (Dennefors et al.), 997
- therapy, cumulative conception rates following (Dor et al.), 102 Granulomas, indolent necrotizing, of uterine cervix, possibly related to chlamydial infection (Christie and Krieger), 958 (Comm. in brief)
- Gray scale and real-time techniques, comparison of bistable with: Sonar fetal cephalometry (Santos-Ramos, Duenhoelter, and
- Reisch), 805 Growth and development of infants weighing 1,000 to 2,000 grams at birth and delivered in perinatal unit (Shennan and Milligan), 273
- fetal organ, effects of dietary lead and zinc on (Dilts and Ahokas),
- retardation, cadmium-induced fetal: Protective effect of excess dietary zinc (Ahokas, Dilts, and LaHaye), 216
- -retarded fetal lambs, increased heart rate response to parasympathetic and beta adrenergic blockade in (Llanos et al.), 808 Gynecologic biopsies, consequences of-Bacteremia or pelvic infection
- (Harris, Marraro, and Ugenas), 408 (Comm. in brief) Gynecology, obstetrics and, application of cephalosporins to: Transfer of cefazolin and cephalothin to uterine tissue (Yamada et al.),

- Heart block, fetal, caused by cytomegalovirus (Lewis, Cefalo, and
- Zaritsky), 967 (Comm. in brief) rate as indicator of behavioral state (van Geijn et al.), 1061

1036

- intrapartum fetal: Correlation with scalp pH in preterm fetus (Zanini, Paul, and Huey), 43
- patterns, fetal, during labor, clinical significance of. VI. Early de-
- celerations (Cibils), 392 reactivity, neonatal, following variable decelerations during labor (Katz et al.), 389
- response, increased, to parasympathetic and beta adrenergic blockade in growth-retarded fetal lambs (Llanos et al.), 808 mechanisms of, fetal oxygen consumption and, during artificially produced late decelerations of fetal heart rate in sheep (Parer, Krueger, and Harris), 478
- sinusoidal fetal. II. Continuous tissue pH studies (Katz, Wilson, and Young), 594
- testing, antepartum fetal. IV. The nonstress test as primary approach (Keegan and Paul), 75 V. Nonstress test
  - V. Nonstress test—outpatient approach (Keegan et al.), 81 variability indices, statistical fluctuations in (Detwiler, Jarisch, and
- Caritis), 243 Hemangiofibrolipoma, extensive congenital, of vulva, surgical management of, in infant (Tsoutsoplides), 260 (Comm. in brief)
- Hemodynamic observations in severe pre-eclampsia with flow-directed pulmonary artery catheter (Benedetti et al.), 465
- Hemoglobin levels, postpartum glycosylated, in mothers of largefor-gestational age infants (Coen et al.), 380
- Hemoperitoneum from rupture of uterine vein overlying leiomyoma (Mattison and Yeh), 415 (Comm. in brief)
- Hemorrhage, postpartum, internal iliac artery ligation for: Recanalization of vessels (Dubay, Holshauser, and Burchell), 689 (Comm. in brief)
- Herpes simplex virus type 2 vaginal infection, suppression by progesterone of nonspecific in vitro lymphocyte stimulation in mice as mechanism for enhancement of (Baker et al.), 440
- Histologic dating of human corpus luteum and luteinizing hormone peak-biopsy interval, correlation between (Croxatto, Ortiz, and Croxatto), 667
- Hormone(s), calcium-regulating, and ions in amniotic fluid (Cruikshank et al.), 621

- Hormone(s)-Cont'd
  - concentrations, amniotic fluid thyroid, during human gestation (Klein et al.), 626
  - follicle-stimulating, assay, amniotic fluid testosterone and, in prenatal determination of fetal sex (Doran et al.), 309
  - gonadotropin-releasing, effect of, on human luteal function, comparative study of high-dose chorionic gonadotropin on human and rat corpus luteum and (Caldwell et al.), 458
  - peak, luteinizing, -biopsy interval, correlation between histologic dating of human corpus luteum and (Croxatto, Ortiz, and Croxatto), 667
- pituitary, changes in, during and following transsphenoidal removal
- of prolactinomas (Casper et al.), 518

  Hospitalized patien's, microbiology and therapy of acute pelvic inflammatory disease in (Thompson et al.), 179
- Human chorionic gonadotropin, ectopic production of, by highly anaplastic adenocarcinoma of endometrium (Tsoutsoplides), 694 (Comm. in brief)
  - and estrogen secretion by fetoplacental unit, possible role for prolactin in control of (Yuen et al.), 286
- placental lactogen assays, role of, in antepartum fetal assessment (Morrison, Green, and Oomen), 1055
- Humoral response to Candida, natural occurrence of, in human amni-otic fluid (Auger et al.), 1075
- Hydroxyprogesterone, 17-, estradiol, estriol, and progesterone in late pregnancy and labor (Mathur, Landgrebe, and Williamson), 25
- Hygroma, cystic, ultrasound diagnosis of (Frigoletto et al.), 962 (Comm. in brief)
- Hyperemesis gravidarum, toxemia, and pancreatitis, amylasecreatinine clearance ratio in normal pregnancy and pregnancies complicated by (DeVore, Bracken, and Berkowitz),
- Hypermodal cells, mosaic and, in amniotic fluid cell cultures (King et al.), 383
- Hypertension, pregnancy-induced, effect of, upon placental prosta-glandin metabolism: Decreased prostaglandin  $F_2\alpha$  catabolism with normal prostaglandin E2 catabolism (Valenzuela and Rodkhe), 255 (Comm. in brief)
- Hypertriglyceridemia, familial, pancreatitis, and pregnancy (Glueck et al.1, 755
- Hypogonadism, female hypogonadotropic, with anosmia, cardiac abnormalities in (Kemmann, Conrad, and Jones), 964 (Comm.
- Hypogonadotropic hypogonadism, female, with anosmia, cardiac abnormalities in (Kemmann, Conrad, and Jones), 964 (Comm, in brief)
- Hysterectomy, abdominal, for abortion-sterilization (Stumpf, Ballard, and Lowensohn), 714
  - vaginal, changing indications for (Porges), 153 (Clinical opinion) single-dose and multidose prophylaxis in: Comparison of sodium cephalothin and metronidazole (Hamod et al.), 976
- Hysteroscopy, contact: Another method of endoscopic examination of uterine cavity (Barbot, Parent, and Dubuisson), 721

- Ileovaginal fistula following cryosurgery for vaginal dysplasia (Dini and Jafari), 691 (Comm. in brief)
- Iliac artery ligation, internal, for postpartum hemorrhage: Recanalization of vessels (Dubay, Holshauser, and Burchell), 689 (Comm. in brief)
- Immunoglobulin concentration in serum and seminal fluid from men with and without sperm-agglutinating antibodies (Friberg),
- Immunologic enhancement, leukocyte migration enhancement as indicator of. I. Pregnancy (Gleicher et al.), 1
  - II. Malignancy (Gleicher et al.), 126
  - III. Common denominators of pregnancy and malignancy (Gleicher et al.), 5
  - infertility. I. Cervical mucus antibodies and postcoital test (Moghissi, Sacco, and Borin), 940
- thrombocytopenic purpura, fetal platelet counts in obstetric management of (Scott et al.), 495
- Inclusions, benign glandular, distinguishing lymph node metastases in low-grade ovarian from, carcinoma (Ehrmann, Federschneider, and Knapp), 737
- Indomethacin, inhibition of premature labor with (Niebyl et al.), 1014 Induced abortion, first-trimester, ectopic trophoblast as complication of (Dessouky), 407 (Comm. in brief)

Induced-Cont'd

gonadotropin-, ovarian steroidogenesis, evidence that danazol inhibits, at point distal to gonadotropin-receptor interaction and adenosine 3',5' cyclic monophosphate formation (Menon, Azhar, and Menon), 524

pregnancy-, hypertension, effect of, upon placental prostaglandin metabolism: Decreased prostaglandin  $F_2\alpha$  catabolism with normal prostaglandin  $E_2$  catabolism (Valenzuela and Rodkhe), 255 (Comm. in brief)

progesterone-, glycogen accumulation in human endometrium during organ culture (Shapiro, Dyer, and Colás), 419

or spontaneous abortion, outcome of delivery following (Schoenbaum et al.), 19

Induction of labor, effects of, on neurophysiologic functioning of newborn infants (Crowell et al.), 48

with low-dose prostaglandin F2α and oxytocin (Baxi, Petrie, and Caritis), 28

of luteal phase defects by danazol, mechanism of (Asch et al.), 932 Infant(s) birth weight, maternal obesity, and weight gain in pregnancy (Harrison, Udall, and Morrow), 411 (Comm. in brief)

deaths, correlates of, for significant morbidity at 1 year of age, relevance of (Shapiro et al.), 363

large-for-gestational age, postpartum glycosylated hemoglobin levels in mothers of (Coen et al.), 380 mortality rates, fetal and, in United States, legal abortions and trends

in (Bauman and Anderson), 194

mother and, fatal streptococcus pneumoniae type III sepsis in (Tar-pay, Turbeville, and Krous), 257 (Comm. in brief) newborn, effects of induction of labor on neurophysiologic function-

ing of (Crowell et al.), 48 surgical management of extensive congenital hemangiofibrolipoma of vulva in (Tsoutsoplides), 260 (Comm. in brief)

weighing 1,000 to 2,000 grams at birth and delivered in perinatal unit, growth and development of (Shennan and Milligan), 273 perinatal management and outcome in (Milligan and Shennan),

Infection, chlamydial, indolent necrotizing granulomas of uterine cervix, possibly related to (Christie and Krieger), 958 (Comm. in brief)

herpes simplex virus type 2 vaginal, suppression by progesterone of nonspecific in vitro lymphocyte stimulation in mice as mechanism for enhancement of (Baker et al.), 440

pelvic, bacteremia or-Consequence of gynecologic biopsies (Harris, Marraro, and Ugenas), 408 (Comm. in brief)

Infectious morbidity after primary cesarean sections in private institu-tion (Anstey, Sheldon, and Blythe), 205

Infertility, immunologic. I. Cervical mucus antibodies and postcoital test (Moghissi, Sacco, and Borin), 940

Inflammatory disease, acute pelvic, in hospitalized patients, mi-crobiology and therapy of (Thompson et al.), 179

pelvic, intrauterine contraceptive device use and (Kaufman et al.),

Infusion, constant, of unlabeled steroid, use of, to assess its metabolic clearance rate, its production rate, and its conversion into androgens and estrogens: Metabolism of androstenedione in human pregnancy (Belisle, Lehoux, and Brault), 1030

Inhalation, maternal, of 5% carbon dioxide, fetal breathing movements in response to (Ritchie and Lakhani), 386

Insulin, C-peptide, and glucose, 24-hour excursion and diurnal rhythm of, in normal pregnancy (Cousins et al.), 483

exogenous, effects of, on excursions and diurnal rhythm of plasma glucose in pregnant diabetic patients with and without re-sidual B-cell function (Rigg et al.), 537 secretion, alanine-stimulated, in fetal and neonatal lamb (Philipps,

Dubin, and Raye), 597

Intestinal polypeptide nerves, vasoactive, in human female genital tract (Alm et al.), 349

Intrauterine contraceptive device use and pelvic inflammatory disease (Kaufman et al.), 159

users, recognizing malignancy in (Castadot et al.), 966 (Comm. stress, catecholamine metabolites in amniotic fluid as indicators of

(Lagercrantz et al.), 1067 Intravenous fluoride, placental transfer of, in pregnant ewe (Maduska et al.), 84

Invasive carcinoma of uterine cervix, results of radical surgical procedures after radiation for treatment of, in private practice (Bonar), 1006

Ions, calcium-regulating hormones and, in amniotic fluid (Cruikshank et al.), 621

Isthmic regions, ampullary and, of human fallopian tube, female sex steroid concentrations in, and their relationship to plasma concentrations during menstrual cycle (Batra et al.), 986

Isthmus, human fallopian tube, cyclic changes in, and their functional importance (Jansen), 292 Items, 151-152, 699-708, 971-972

Kidney size, fetal, assessment of, in normal gestation by comparison of ratio of kidney circumference to abdominal circumference (Grannum et al.), 249

Labor, clinical significance of fetal heart rate patterns during. VI. Early decelerations (Cibils), 392

effects of induction of, on neurophysiologic functioning of newborn infants (Crowell et al.), 48

fetal and maternal concentrations of uric acid and oxypurines during, and post partum (Wallenburg and van Kreel), 513 induction of, with low-dose prostaglandin F<sub>2</sub>α and oxytocin (Baxi,

Petrie, and Caritis), 28

influence of maternal oxygen administration on term fetus before (Young et al.), 321

late pregnancy and, progesterone, 17-hydroxyprogesterone, es-tradiol, and estriol in (Mathur, Landgrebe, and Williamson),

neonatal heart rate reactivity following variable decelerations during (Katz et al.), 389

premature, inhibition of, with indomethacin (Niebyl et al.), 1014 and neonatal sepsis, cause of: Listeria monocytogenes (Barresi), 410 (Comm. in brief)

reassessment of bacteriology of amniotic fluid during: Determinants of postpartum morbidity in laboring monitored patients (D'Angelo and Sokol), 575

Laboring monitored patients, determinants of postpartum morbidity in: Reassessment of bacteriology of amniotic fluid during labor (D'Angelo and Sokol), 575

Lactogen assays, human placental, role of, in antepartum fetal assessment (Morrison, Green, and Oomen), 1055

Lamellar bodies, pulmonary, in human amniotic fluid: Their relationship to fetal age and lecithin/sphingomyelin ratio (Lee, Bell, and Novy), 60

Laparoscopic tubal coagulation failures, high rate of ectopic pregnancy following (McCausland), 97

Large-for-gestational age infants, postpartum glycosylated hemoglobin levels in mothers of (Coen et al.), 380

Laser therapy, high-power-density carbon dioxide, for early cervical neoplasia (Baggish), 117

Lead and zinc, dietary, effects of, on fetal organ growth (Dilts and Ahokas), 889

Lecithin/sphingomyelin ratio, fetal age and, their relationship to: Pulmonary lamellar bodies in human amniotic fluid (Lee, Bell, and Novy), 60 lung phospholipid profile, and fluorescence microviscosimetry,

blind comparison study of (Golde and Mosley), 222 Leiomyoma, hemoperitoneum from rupture of uterine vein overlying

(Mattison and Yeh), 415 (Comm. in brief) Leiomyomatosis peritonealis disseminata, ultrastructure and steroidbinding studies in (Sutherland et al.), 992

Leukocyte migration enhancement as indicator of immunologic enhancement. I. Pregnancy (Gleicher et al.), 1 II. Malignancy (Gleicher et al.), 126

III. Common denominators of pregnancy and malignancy (Gleicher et al.), 5

Ligation, internal iliac artery, for postpartum hemorrhage: Recanalization of vessels (Dubay, Holshauser, and Burchell), 689 (Comm. in brief)

of uterine arteries, uterine and renal renin release after, in pregnant rabbit (Current investigation) Lipids, amniotic fluid, in sickle cell disease (Das and Foster), 211

Lipolymph nodes, pelvic: Consideration in differential diagnosis of pelvic masses (Magrina, Symmonds, and Dahlin), 727

Listeria amnionitis as cause of fetal distress (Koh, Cole, and Orkin), 261 (Comm. in brief)

monocytogenes: Cause of premature labor and neonatal sepsis (Barresi), 410 (Comm. in brief)

- Lung phospholipid profile, fluorescence microviscosimetry, and lecithin/sphingomyelin ratio, blind comparison study of (Golde and Mosley), 222
- Luteal function, effect of gonadotropin-releasing hormone on, comparative study of high-dose chorionic gonadotropin on human and rat corpus luteum and (Caldwell et al.), 458
  - phase defects, mechanism of induction of, by danazol (Asch et al.), 932
- Luteinizing hormone peak-biopsy interval, correlation between histologic dating of human corpus luteum and (Croxatto, Ortiz, and Croxatto), 667
- Lymph node metastases, distinguishing, from benign glandular inclusions in low-grade ovarian carcinoma (Ehrmann, Federschneider, and Knapp), 737
- Lymphocyte stimulation, nonspecific in vitro, suppression by progesterone of, in mice as mechanism for enhancement of herpes simplex virus type 2 vaginal infection (Baker et al.), 440

### M

- Malignancy in intrauterine contraceptive device users, recognizing (Castadot et al.), 966 (Comm. in brief)
  - pregnancy and, common denominators of, III. Leukocyte migration enhancement as indicator of immunologic enhancement (Gleicher et al.). 5
  - Leukocyte migration enhancement as indicator of immunologic enhancement (Gleicher et al.), 126
- Maroteaux-Lamy syndrome, pregnancy complicated by myelopathy due to (Bacchus and Peterson), 259 (Comm. in brief)
- Masses, pelvic, consideration in differential diagnosis of: Pelvic "lipolymph nodes" (Magrina, Symmonds, and Dahlin), 727
- Maternal attitude, relationship of, to pregnancy outcomes and obstetric complications (Laukaran and van den Berg), 374
- concentrations, fetal and, of uric acid and oxypurines during labor and post partum (Wallenburg and van Kreel), 513
- and fetal tissues, rat, protein synthesis in, with starvation (Hayashi and MacFarlane), 897
- inhalation of 5% carbon dioxide, fetal breathing movements in response to (Ritchie and Lakhani), 386 mortality rate associated with cesarean section: Appraisal (Frigoletto,
- mortality rate associated with cesarean section: Appraisal (Frigoletto Ryan, and Phillippe), 969 (Comm. in brief)
- obesity, weight gain in pregnancy, and infant birth weight (Harrison, Udall, and Morrow), 411 (Comm. in brief)
- oxygen administration, influence of, on term fetus before labor (Young et al.), 321
- placental blood flow, relationship of, to placental clearance of maternal plasma dehydroisoandrosterone sulfate through placental estradiol formation (Everett et al.), 435
- plasma cortisol and estriol concentrations at 30 to 31, 34 to 35, and 38 to 39 weeks' gestational age, circadian rhythms in (Patrick et al.), 325
- Maturity, fetal pulmonic, clinical applicability of amniotic fluid tests for (O'Brien and Cefalo), 135 (Current developments)
- pulmonary, capillary method for assessment of, in utero with use of amniotic fluid (Sing), 228
- Medicine, reproductive: Discipline in search of identity (Gusberg), 825
  Membranes, fetal, conservative management of preterm premature
  rupture of, in low socioeconomic population (Schreiber and
- Benedetti), 92 intact fetal, bacterial colonization of amniotic fluid from (Miller, Pupkin, and Hill), 796
- term human fetal, in vitro conversion of pregnenolone to progesterone by (Gibb, Lavoie, and Roux), 631
- Menopausal (post-) osteoporosis, concentration of cytosolic estrogen receptors in patients with (Davidson et al.), 430
  - ovaries, human, steroid production and responsiveness to gonadotropin in isolated stromal tissue of (Dennefors et al.), 997 women with and without endometrial cancer, serum androgens
- women with and without endometrial cancer, serum androgens and estrogens in (Judd et al.), 859 Menstrual cycle(s), normal and abnormal, and early pregnancy: Estradiol and progesterone receptors in human endometrium (Levy et al.), 646
  - their relationship to plasma concentrations during, female sex steroid concentrations in ampullary and isthmic regions of human fallopian tube and (Batra et al.), 986
- Metabolic acidemia, induction of fetal breathing by, and its effect on blood flow to respiratory muscles (Molteni et al.), 609

- Metabolic-Cont'd
  - clearance rate, its, its production rate, and its conversion into androgens and estrogens, use of constant infusion of unlabeled steroid to assess: Metabolism of androstenedione in human pregnancy (Belisle, Lehoux, and Brault), 1030
  - and clinical effects of four oral contraceptive formulations and contraceptive vaginal ring, comparison of (Roy et al.), 920
- Metabolism of androstenedione in human pregnancy: Use of constant infusion of unlabeled steroid to assess its metabolic clearance rate, its production rate, and its conversion into androgens and estrogens (Belisle, Lehoux, and Brault), 1030
- placental prostaglandin, effect of pregnincy-induced hypertension upon: Decreased prostaglandin Fa catabolism with normal prostaglandin E<sub>2</sub> catabolism (Valebzuela and Rodkhe), 255 (Comm. in brief)
- in vitro palmitate and glucose, in postmatule fetus (Masse et al.), 505 Metabolites, catecholamine, in amniotic fluid as indicators of intrauterine stress (Lagercrantz et al.), 1067
- Metastases, lymph node, distinguishing, from benign glandular inclusions in low-grade ovarian carcinoma (Ehrmann, Federschneider, and Knapp), 737
- Metastatic gestational trophoblastic neoplasms, treatment of (Lewis),
- Methylcyanoacrylate, outpatient approach to female sterilization with (Neuwirth et al.), 951
- Metronidazole, sodium cephalothin and, comparison of: Single-dose and multidose prophylaxis in vaginal hysterectomy (Hamod et al.), 976
- Microadenomas, pituitary, clinical course and outcome of pregnancy in twenty-five patients with (Jewelewicz and Vande Wiele), 339
- Microbiology and therapy of acute pelvic inflammatory disease in hospitalized patients (Thompson et al.), 179
- pitalized patients (Thompson et al.), 179
  Microviscosimetry, fluorescence, lecithin/sphingomyelin ratio, and lung phospholipid profile, blind comparison study of (Golde and Mosley), 222
- Migration enhancement, leukocyte, as indicator of immunologic enhancement. I. Pregnancy (Gleicher et al.), 1
  - II. Malignancy (Gleicher et al.), 126
  - III. Common denominators of pregnancy and malignancy (Gleicher et al.), 5
- Milk, breast—natural resource (Weinstein), 973 (Clinical opinion) Molar pregnancies, acute pulmonary edema associated with: High-risk
- factor for development of persistent trophoblastic disease (Orr et al.), 412 (Comm. in brief) Monitor sperm transport in females, radiolabeling of mammalian
- spermatozoa and their use to (Lorton et al.), 732

  Monitored patients, laboring, determinants of postpartum morbidity in: Reassessment of bacteriology of amniotic fluid during labor (D'Angelo and Sokol), 575
- Morbidity, infectious, after primary cesarean sections in private institution (Anstey, Sheldon, and Blythe), 205
- postpartum, determinants of, in laboring monitored patients: Reassessment of bacteriology of amniotic fluid during labor (D'Angelo and Sokol), 575
- significant, at 1 year of age, relevance of correlates of infant deaths for (Shapiro et al.), 363
- Morphologic characterization, establishment and, of finite cell lines from normal human endometrium (Trent, Davis, and Payne), 359
- Mortality rate(s), fetal and infant, in United States, legal abortions and trends in (Bauman and Anderson), 194
  - maternal, associated with cesarean section: Appraisal (Frigoletto, Ryan, and Phillippe), 969 (Comm. in brief)
  - perinatal, monitoring: California, 1970 to 1976 (Williams et al.),
- Mosaic and hypermodal cells in amniotic fluid cell cultures (King et al.), 383
- Mosaicism and nonfluorescent Y chromosome, gonadal dysgenesis with: Report of two cases with correlation of clinical, pathologic, and cytogenetic findings (Curtis et al.), 639
- sex chromosome, stability of (Elias, Martin, and Simpson), 509 Mother(s) and infant, fatal streptococcus pneumoniae type III sepsis in (Tarpay, Turbeville, and Krous), 257 (Comm. in brief)
- of large-for-gestational age infants, postpartum glycosylated hemoglobin levels in (Coen et al.), 380
- Movements, fetal breathing, in response to maternal inhalation of 3% carbon dioxide (Ritchie and Lakhani), 386

Movements, fetal breathing-Cont'd

second means of identifying, using Doppler ultrasound (Goodman and Mantell), 73

registered by pregnant woman correlated to retrospective estimations of fetal movements from cardiotocographic tracings (Neldam and Jessen), 1051

rhythmic fetal (Adamson, Cousin, and Gare), 239 Mucus antibodies, cervical, and postcoital test, I. Immunologic infertil-

ity (Moghissi, Sacco, and Borin), 940 Muscles, respiratory, its effect on blood flow to, induction of fetal

breathing by metabolic acidemia and (Molteni et al.), 609 Myelopathy due to Maroteaux-Lamy syndrome, pregnancy compli-cated by (Bacchus and Peterson), 259 (Comm. in brief)

Myometrial inhibiting activity of relaxin-containing extracts of human corpora lutea of pregnancy (Szlachter et al.), 584

Necrotizing granulomas, indolent, of uterine cervix, possibly related to chlamydial infection (Christie and Krieger), 958 (Comm. in

Neonatal heart rate reactivity following variable decelerations during labor (Katz et al.), 389

lamb, fetal and, alanine-stimulated insulin secretion in (Philipps, Dubin, and Raye), 597

sepsis, premature labor and, cause of: Listeria monocytogenes (Barresi), 410 (Comm. in brief)

Neoplasia, early cervical, high-power-density carbon dioxide laser therapy for (Baggish), 117

Neoplasms, metastic gestational trophoblastic, treatment of (Lewis),

Nerves, vasoactive intestinal polypeptide, in human female genital tract (Alm et al.), 349

Neural origin of cells in amniotic fluid (Sarkar et al.), 67

Neurophysiologic functioning of newborn infants, effects of induction of labor on (Crowell et al.), 48

Newborn brain stem auditory evoked responses and perinatal clinical events (Barden and Peltzman), 912

infants, effects of induction of labor on neurophysiologic functioning of (Crowell et al.), 48 Nicotine, effect of, upon uterine blood flow in pregnant rhesus mon-key (Suzuki, Minei, and Johnson), 1009

Node(s) metastases, lymph, distinguishing, from benign glandular inclusions in low-grade ovarian carcinoma (Ehrmann,

Federschneider, and Knapp), 737 pelvic lipolymph: Consideration in differential diagnosis of pelvic

masses (Magrina, Symmonds, and Dahlin), 727 Nonstress test—outpatient approach, V. Antepartum fetal heart rate

testing (Keegan et al.), 81 as primary approach, IV. Antepartum fetal heart rate testing (Keegan and Paul), 75

Value of single acceleration in evaluating fetus at risk (Mendenhall, O'Leary, and Phillips), 87

Norepinephrine, <sup>3</sup>H-, uptake of, in human female reproductive organs (Saarikoski), 1041

## 0

Obesity, maternal, weight gain in pregnancy, and infant birth weight (Harrison, Udall, and Morrow), 411 (Comm. in brief)

Obstetric(s) complications, pregnancy outcomes and, relationship of maternal attitude to (Laukaran and van den Berg), 374 and gynecology, application of cephalosporins to: Transfer of

cefazolin and cephalothin to uterine tissue (Yamada et al.), 1036

management of immunologic thrombocytopenic purpura, fetal platelet counts in (Scott et al.), 495

unit, active, value in: Fetal scalp blood pH sampling (Young et al.),

Operation, role of, in current therapy of gestational trophoblastic disease (Hammond, Weed, and Currie), 844 Operative (post-) tubal adhesions, prevention of (diZerega and

Hodgen), 173 Oral contraceptive formulations, four, and contraceptive vaginal ring,

comparison of metabolic and clinical effects of (Roy et al.),

progestational agents, blood pressure and (Hall et al.), 344

Organ(s), human female reproductive, uptake of <sup>3</sup>H-norepinephrine in (Saarikoski), 1041

Organ(s)-Cont'd

culture, progesterone-induced glycogen accumulation in human endometrium during (Shapiro, Dyer, and Colás), 419 growth, fetal, effects of dietary lead and zinc on (Dilts and Ahokas),

Oslo area, prospective study of acquired toxoplasmosis among 8,043 pregnant women in (Stray-Pedersen), 399
Osteoporosis, postmenopausal, concentration of cytosolic estrogen re-

ceptors in patients with (Davidson et al.), 430

Outpatient approach to female sterilization with methylcyanoacrylate (Neuwirth et al.), 951

-nonstress test, V. Antepartum fetal heart rate testing (Keegan et al.), 81

Ovarian artery blood flow, uterine and, in pregnant dog (Abitbol, Demeter, and Benaroch), 780

carcinoma, low-grade, distinguishing lymph node metastases from benign glandular inclusions in (Ehrmann, Federschneider, and Knapp), 737

steroidogenesis, gonadotropin-induced, evidence that danazol in-hibits, at point distal to gonadotropin-receptor interaction and adenosine 3',5' cyclic monophosphate formation (Menon, Azhar, and Menon), 524

Ovaries, human postmenopausal, steroid production and responsiveness to gonadotropin in isolated stromal tissue of (Dennefors et al.), 997

Ovulation defects associated with galactorrhea, effect of pregnancy on suspected pituitary adenomas after conservative management of (Shewchuk et al.), 659

Ovulatory response, predicted, to 2-brom-alpha-ergocryptine (CB-154) in amenorrhea-galactorrhea syndromes (Shewchuk et al.), 652

Oxygen administration, maternal, influence of, on term fetus before labor (Young et al.), 321

consumption, fetal, and mechanisms of heart rate response during artificially produced late decelerations of fetal heart rate in sheep (Parer, Krueger, and Harris), 478

increased fetal, clinical and physiologic implications of (Lorijn and Longo), 451

Oxypurines, uric acid and, fetal and maternal concentrations of, during labor and post partum (Wallenburg and van Kreel), 513 Oxytocin, low-dose prostaglandin F<sub>2</sub>α and, induction of labor with

(Baxi, Petrie, and Caritis), 28 sensitivity, uterine contractility and, in preterm, term, and postterm

pregnancy (Takahashi et al.), 774

Palmitate and glucose metabolism, in vitro, in postmature fetus (Masse et al.), 505

Pancreatitis, familial hypertriglyceridemia, and pregnancy (Glueck et al.), 755

hyperemesis gravidarum, and toxemia, amylase/creatinine clearance ratio in normal pregnancy and pregnancies complicated by (DeVore, Bracken, and Berkowitz), 747

Papers of Society for Gynecologic Investigation, 419-550 Parasympathetic and beta adrenergic blockade, increased heart rate

response to, in growth-retarded fetal lambs (Llanos et al.), 808 Partum (ante-) fetal assessment, role of human placental lactogen assays in (Morrison, Green, and Oomen), 1055

evaluation: Development of fetal biophysical profile (Manning, Platt, and Sipos), 787

heart rate testing. IV. The nonstress test as primary approach (Keegan and Paul), 75

V. Nonstress test-outpatient approach (Keegan et al.), 81 fetal and maternal concentrations of uric acid and oxypurines dur-

ing labor and post (Wallenburg and van Kreel), 513 (intra-) fetal heart rate: Correlation with scalp pH in preterm fetus (Zanini, Paul, and Huey), 43

(post-) glycosylated hemoglobin levels in mothers of large-forgestational age infants (Coen et al.), 380

hemorrhage, internal iliac artery ligation for: Recanalization of vessels (Dubay, Holshauser, and Burchell), 689 (Comm. in

morbidity, determinants of, in laboring monitored patients: Reassessment of bacteriology of amniotic fluid during labor (D'Angelo and Sokol), 575

Parturition, total uterine impulse and cervical resistance at (Rossavik),

- Pelvic examination, simultaneous real-time ultrasound scanning and, in assessment of pelvic disease (Platt, Manning, and Hill), 693 (Comm. in brief)
- infection, bacteremia or-Consequence of gynecologic biopsies (Harris, Marraro, and Ugenas), 408 (Comm. in brief)
- inflammatory disease, acute, in hospitalized patients, microbiology and therapy of (Thompson et al.), 179 intrauterine contraceptive device use and (Kaufman et al.),
- "lipolymph nodes": Consideration in differential diagnosis of pelvic
- masses (Magrina, Symmonds, and Dahlin), 727
- Peptide, C-, glucose, and insulin, 24-hour excursion and diurnal 

  ▼ rhythm of, in normal pregnancy (Cousins et al.), 483 Perinatal clinical events, newborn brain stem auditory evoked re-sponses and (Barden and Peltzman), 912
- management and outcome in infant weighing 1,000 to 2,000 grams
- (Milligan and Shennan), 269 mortality rates, monitoring: California, 1970 to 1976 (Williams et
- al.), 559 unit, infants weighing 1,000 to 2,000 grams at birth and delivered in, growth and development of (Shennan and Milligan), 273
- pH sampling, fetal scalp blood: Value in active obstetric unit (Young et al.), 276
- scalp, in preterm fetus, correlation with: Intrapartum fetal heart rate (Zanini, Paul, and Huey), 43
- studies, continuous tissue, II. Sinusoidal fetal heart rate (Katz, Wilson, and Young), 594
- Phospholipid biosynthesis by alveolar cell carcinoma (A549) in monolayer tissue culture, effect of prolactin on (Porreco, Merritt, and Gluck), 1071
- profile, lung, fluorescence microviscosimetry, and lecithin/sphin-gomyelin ratio, blind comparison study of (Golde and Mosley), 222
- Physiologic variability and fetal electrocortical activity (Clapp et al.), 1045
- Pillar block anesthesia, bladder, for urethral dilatation in women (Ostergard), 187
- Pituitary adenomas, prolactin-producing, spontaneous regression of (Vaughn et al.), 980
  - suspected, effect of pregnancy on, after conservative management of ovulation defects associated with galactorrhea (Shewchuk et al.), 659
- hormones, changes in, during and following transsphenoidal removal of prolactinomas (Casper et al.), 518
- microadenomas, clinical course and outcome of pregnancy in twenty-five patients with (Jewelewicz and Vande Wiele), 339
- Placenta, human term, evidence for androgen-binding component in cytosol of (Stanley, Milwidsky, and Besch), 1003 Placental blood flow, maternal, relationship of, to placental clearance
- of maternal plasma dehydroisoandrosterone sulfate through placental estradiol formation (Everett et al.) 435
  - lactogen assays, human, role of, in antepartum fetal assessment (Morrison, Green, and Oomen), 1055
  - prostaglandin metabolism, effect of pregnancy-induced hypertension upon: Decreased prostaglandin F<sub>2</sub>α catabolism with normal prostaglandin E<sub>2</sub> catabolism (Valenzuela and Rodkhe), 255 (Comm. in brief)
- transfer of acetylsalicylic acid in near-term ewes (Anderson, Phernetton, and Rankin), 814
- of intravenous fluoride in pregnant ewe (Maduska et al.), 84 Plasma concentrations during menstrual cycle, their relationship to,
- female sex steroid concentrations in ampullary and isthmic regions of human fallopian tube and (Batra et al.), 986
- cortisol and estriol concentrations, maternal, at 30 to 31, 34 to 35, and 38 to 39 weeks' gestational age, circadian rhythms in (Patrick et al.), 325
- dehydroisoandrosterone sulfate, maternal, relationship of maternal placental blood flow to placental clearance of, through placental estradiol formation (Everett et al.), 435
- glucose, 'cholesterol, triglyceride, and glycerol concentrations in postmature rabbit (Harlow, Roux, and Shapiro), 500
- effects of exogenous insulin on excursions and diurnal rhythm of, in pregnant diabetic patients with and without residual B-cell function (Rigg et al.), 537
- Platelet counts, fetal, in obstetric management of immunologic thrombocytopenic purpura (Scott et al.), 495
- Pneumoniae type III sepsis, fatal streptococcus, in mother and infant (Tarpay, Turbeville, and Krous), 257 (Comm. in brief)

- Polypeptide nerves, vasoactive intestinal, in human female genital tract (Alm et al.), 349
- Postmature fetus, in vitro palmitate and glucose metabolism in (Masse et al.), 505
- rabbit, plasma glucose, cholesterol, triglyceride, and glycerol concentrations in (Harlow, Roux, and Shapiro), 500
- Pre-eclampsia, severe, hemodynamic observations in, with flowdirected pulmonary artery catheter (Benedetti et al.), 465
- Pregnancy (pregnancies), baboon, role for estrogen in progesterone production during (Albrecht), 569 cervical, ultrasound diagnosis of (Szeja, Rahaghi, and Rentz), 416
- (Comm. in brief) clinical course and outcome of, in twenty-five patients with pituitary microadenomas (Jewelewicz and Vande Wiele), 339
- complicated by anencephaly, termination of, with intra-amniotic prostaglandin F<sub>2</sub>α (Schwartz and Brenner), 203
- by myelopathy due to Maroteaux-Lamy syndrome (Bacchus and Peterson), 259 (Comm. in brief)
- diabetic, glycohemoglobin in: Sequential study (Widness et al.), 1024 distribution of fetal apneic intervals during last ten weeks of, definition of human fetal apnea and (Patrick et al.), 471
- early, normal and abnormal menstrual cycles and: Estradiol and progesterone receptors in human endometrium (Levy et al.), 646
- effect of, on angiotensin II pressor response in rabbit (Berssenbrugge et al.), 762
- ectopic, high rate of, following laparoscopic tubal coagulation failures (McCausland), 97
- effect of, on suspected pituitary adenomas after conservative management of ovulation defects associated with galactorrhea (Shewchuk et al.), 659
- following conization of cervix: Complications related to cone size (Leiman, Harrison, and Rubin), 14
- female sterilization, epidemiologic study of risk factors associated with (Chi et al.), 768
- human, metabolism of androstenedione in: Use of constant infusion of unlabeled steroid to assess its metabolic clearance rate, its production rate, and its conversion into androgens and estrogens (Belisle, Lehoux, and Brault), 1030
- -induced hypertension, effect of, upon placental prostaglandin metabolism: Decreased prostaglandin F<sub>2</sub>α catabolism with normal prostaglandin E2 catabolism (Valenzuela and Rodkhe), 255 (Comm. in brief)
- late, and labor, progesterone, 17-hydroxyprogesterone, estradiol, and estriol in (Mathur, Landgrebe, and Williamson), 25
- and malignancy, common denominators of, III. Leukocyte migration enhancement as indicator of immunologic enhancement (Gleicher et al.), 5
- molar, acute pulmonary edema associated with: High-risk factor for development of persistent trophoblastic disease (Orr et al.), 412 (Comm. in brief)
- myometrial inhibiting activity of relaxin-containing extracts of human corpora lutea of (Szlachter et al.), 584
- normal, and pregnancies complicated by pancreatitis, hyperemesis gravidarum, and toxemia, amylase/creatinine clearance ratio in (DeVore, Bracken, and Berkowitz), 747
- 24-hour excursion and diurnal rhythm of glucose, insulin, and C-peptide in (Cousins et al.), 483
- I. Leukocyte migration enhancement as indicator of immunologic enhancement (Gleicher et al.), 1
- outcomes and obstetric complications, relationship of maternal attitude to (Laukaran and van den Berg), 374
- pancreatitis, and familial hypertriglyceridemia (Glueck et al.), 755 preterm, term, and postterm, uterine contractility and oxytocin sensitivity in (Takahashi et al.), 774
- and puerperium, prolactin synthesis and release during (Kletzky et al.), 545
- severe rheumatic cardiac disease and: Ultimate prognosis (Chesley),
- -specific beta-1 glycoprotein in ectopic pregnancy (Seppälä, Venesmaa, and Rutanen), 189 weight gain in, maternal obesity, and infant birth weight (Harrison,
- Udall, and Morrow), 411 (Comm. in brief) Pregnant baboon (Papio cynocephalus), preliminary experience in, IV.
- Sampling fetoplacental circulation (Morris et al.), 531 diabetic patients with and without residual B-cell function, effects of exogenous insulin on excursions and diurnal rhythm of plasma glucose in (Rigg et al.), 537

Pregnant-Cont'd

dog, uterine and ovarian artery blood flow in (Abitbol, Demeter, and Benaroch), 780

ewe, acute exercise stress in (Clapp), 489

placental transfer of intravenous fluoride in (Maduska et al.), 84 rabbit, uterine and renal renin release after ligation of uterine arteries in (Katz et al.), 676 (Current investigation)

rhesus monkey, effect of nicotine upon uterine blood flow in (Suzuki, Minei, and Johnson), 1009

woman (women), 8,043, in Oslo area, prospective study of acquired

toxoplasmosis among (Stray-Pedersen), 399 fetal movements registered by, correlated to retrospective estimations of fetal movements from cardiotocographic tracings (Neldam and Jessen), 1051

Pregnenolone, in vitro conversion of, to progesterone by term human fetal membranes (Gibb, Lavoie, and Roux), 631 Premature labor, inhibition of, with indomethacin (Niebyl et al.), 1014

and neonatal sepsis, cause of: Listeria monocytogenes (Barresi), 410 (Comm. in brief)

rupture, preterm, of fetal membranes, conservative management of, in low socioeconomic population (Schreiber and Benedetti), 92

Prenatal determination of fetal brain and somatic weight by ultrasound (Jordaan and Clark), 54

sex, amniotic fluid testosterone and follicle-stimulating hormone assay in (Doran et al.), 309

period, brachial and femoral blood pressures during (Marx, Husain, and Shiau), 11

Pressor response, angiotensin II, effect of pregnancy on, in rabbit (Berssenbrugge et al.), 762

Progestational agents, oral, blood pressure and (Hall et al.), 344 Progesterone-induced glycogen accumulation in human endometrium

during organ culture (Shapiro, Dyer, and Colás), 419 production, role for estrogen in, during baboon pregnancy (Albrecht), 569

receptors, estradiol and, in human endometrium: Normal and abnormal menstrual cycles and early pregnancy (Levy et al.),

17-hydroxyprogesterone, estradiol, and estriol in late pregnancy and labor (Mathur, Landgrebe, and Williamson), 25

suppression by, of nonspecific in vitro lymphocyte stimulation in mice as mechanism for enhancement of herpes simplex virus type 2 vaginal infection (Baker et al.), 440

in vitro conversion of pregnenolone to, by term human fetal membranes (Gibb, Lavoie, and Roux), 631

Prolactin, effect of, on phospholipid biosynthesis by alveolar cell carcinoma (A549) in monolayer tissue culture (Porreco, Merritt, and Gluck), 1071

possible role for, in control of human chorionic gonadotropin and estrogen secretion by fetoplacental unit (Yuen et al.), 286

producing pituitary adenomas, spontaneous regression of (Vaughn et al.), 980 synthesis and release during pregnancy and puerperium (Kletzky et

al.), 545 Prolactinomas, changes in pituitary hormones during and following

transsphenoidal removal of (Casper et al.), 518 Prostaglandin  $F_2\alpha$ , intra-amniotic, termination of pregnancy complicated by an encephaly with (Schwartz and Brenner), 203

low-dose, and oxytocin, induction of labor with (Baxi, Petrie, and Caritis), 28

metabolism, placenta, effect of pregnancy-induced hypertension upon: Decreased prostaglandin  $F_{2\alpha}$  catabolism with normal prostaglandin  $E_{2}$  catabolism (Valenzuela and Rodkhe), 255 (Comm. in brief)

Protein, sex steroid-binding, differentiation of, in adult rhesus monkeys (Burry et al.), 446

synthesis in rat maternal and fetal tissues with starvation (Hayashi and MacFarlane), 897

Pseudotumors, trophoblastic, clinical importance of diagnosis of (Rosenshein, Wijnen, and Woodruff), 635

Pubic (supra-) endoscopy for interval female sterilization (Laufe), 257 (Comm. in brief)

Puerperium, pregnancy and, prolactin synthesis and release during (Kletzky et al.), 545

Pulmonary artery catheter, flow-directed hemodynamic observations in severe pre-eclampsia with (Benedetti et al.), 465

edema, acute, associated with molar pregnancies: High-risk factor for development of persistent trophoblastic disease (Orr et al.), 412 (Comm. in brief)

Pulmonary-Cont'd

lamellar bodies in human amniotic fluid: Their relationship to fetal age and lecithin/sphingomyelin ratio (Lee, Bell, and Novy), 60 maturity, capillary method for assessment of, in utero with use of amniotic fluid (Sing), 228

Pulmonic maturity, fetal, clinical applicability of amniotic fluid tests for (O'Brien and Cefalo), 135 (Current developments)

Purpura, immunologic thrombocytopenic, fetal platelet counts in obstetric management of (Scott et al.), 495

Radiation for treatment of invasive carcinoma of uterine cervix, results of radical surgical procedures after, in private practice (Bonar), 1006

Radiolabeling of mammalian spermatozoa and their use to monitor sperm transport in females (Lorton et al.), 732

Reactivity, diminished fetal, with smoking (Phelan), 230 Real-time techniques, gray scale and, comparison of bistable with: Sonar fetal cephalometry (Santos-Ramos, Duenhoelter, and Reisch), 805

ultrasound scanning and pelvic examination, simultaneous, in assessment of pelvic disease (Platt, Manning, and Hill), 693 (Comm. in brief)

Receptor(s), cytosolic estrogen, concentration of, in patients with postmenopausal osteoporosis (Davidson et al.), 430

estradiol and progesterone, in human endometrium: Normal and abnormal menstrual cycles and early pregnancy (Levy et al.), 646

gonadotropin-, interaction and adenosine 3',5' cyclic monophos-phate formation, evidence that danazol inhibits gonadotropin-induced ovarian steroidogenesis at point distal to (Menon, Azhar, and Menon), 524

steroid, translocation of, danazol binding and (Chamness, Asch, and Pauerstein), 426

Relaxation, vaginal, classification (Beecham), 957 (Comm. in brief) Relaxin-containing extracts of human corpora lutea of pregnancy, myometrial inhibiting activity of (Szlachter et al.), 584

Releasing hormone, gonadotropin-, effect of, on human luteal function, comparative study of high-dose chorionic gonadotropin on human and rat corpus luteum and (Caldwell et al.), 458

Remission, sustained, of choriocarcinoma with cis-platinum, vinblas-tine and bleomycin after failure of conventional combination drug therapy (Schlaerth, Morrow, and DePetrillo), 983

Renal renin release, uterine and, after ligation of uterine arteries in pregnant rabbit (Katz et al.), 676 (Current investigation)

Renin release, uterine and renal, after ligation of uterine arteries in pregnant rabbit (Katz et al.), 676 (Current investigation) Replication and inactivation of dicentric X formed by telomeric fusion

(Sarto and Therman), 904

Reproduction, human, occurrence of sperm antibodies in. I. Comparative new and improved test methods for sperm antibody detection (Mettler, Shirwani, and Gradl), 106

Reproductive medicine: Discipline in search of identity (Gusberg), 825 organs, human female, uptake of <sup>3</sup>H-norepinephrine in (Saarikoski),

Respiratory distress syndrome, results of double-blind controlled study on use of betamethasone in prevention of (Doran et al.), 313 muscles, its effect on blood flow to, induction of fetal breathing by metabolic acidemia and (Molteni et al.), 609

Retardation, cadmium-induced fetal growth: Protective effect of excess dietary zinc (Ahokas, Dilts, and LaHaye), 216

Rheumatic cardiac disease, severe, and pregnancy: Ultimate prognosis (Chesley), 552

Roster of American obstetrical and gynecological societies, 148-150 Rupture, preterm premature, of fetal membranes, conservative management of, in low socioeconomic population (Schreiber and

of uterine vein overlying leiomyoma, hemoperitoneum from (Mattison and Yeh), 415 (Comm. in brief)

S

Scalp blood pH sampling, fetal: Value in active obstetric unit (Young et al.), 276

pH in preterm fetus, correlation with: Intrapartum fetal heart rate (Zanini, Paul, and Huey), 43

Scanning, real-time ultrasound, and pelvic examination, simultaneous, in assessment of pelvic disease (Platt, Manning, and Hill), 693 (Comm. in brief)

- alanine-stimulated insulin, in fetal and neonatal lamb (Philipps, Dubin, and Raye), 597
  - human chorionic gonadotropin and estrogen, by fetoplacental unit,
- possible role for prolactin in control of (Yuen et al.), 286 Seminal fluid, serum and, from men with and without spermagglutinating antibodies, immunoglobulin concentration in (Friberg), 671
- Sepsis, fatal streptococcus pneumoniae type III, in mother and infant (Tarpay, Turbeville, and Krous), 257 (Comm. in brief) neonatal, premature labor and, cause of: Listeria monocytogenes (Bar-
- resi), 410 (Comm. in brief)
- Serum androgens and estrogens in postmenopausal women with and without endometrial cancer (Judd et al.), 859
- and seminal fluid, from men with and without sperm-agglutinat-ing antibodies immunoglobulin concentration in (Friberg), 671
- Sex chromosome mosaicism, stability of (Elias, Martin, and Simpson), 509
- fetal, amniotic fluid testosterone and follicle-stimulating hormone assay in prenatal determination of (Doran et al.), 309
- steroid-binding protein, differentiation of, in adult rhesus monkeys (Burry et al.), 446
- concentrations, female, in ampullary and isthmic regions of human fallopian tube and their relationship to plasma concentrations during menstrual cycle (Batra et al.), 986
- Sickle cell disease, amniotic fluid lipids in (Das and Foster), 211 Sinusoidal fetal heart rate. II. Continuous tissue pH studies (Katz,
- Wilson, and Young), 594
- Smoking, diminished fetal reactivity with (Phelan), 230
- Society for Gynecologic Investigation, papers of, 419-550
- of Obstetricians and Gynaecologists of Canada, transactions, thirty-fifth annual meeting, 269-334
- Sodium cephalothin and metronidazole, comparison of: Single-dose and multidose prophylaxis in vaginal hysterectomy (Hamod et al.), 976
- Somatic weight, fetal brain and, prenatal determination of, by ultrasound (Jordaan and Clark), 54
- Sonar fetal cephalometry: Comparison of bistable with gray scale and real-time techniques (Santos-Ramos, Duenhoelter, and Reisch), 805
- Sperm-agglutinating antibodies, immunoglobulin concentration in erum and seminal fluid from men with and without
- (Friberg), 671 antibodies, occurrence of, in human reproduction. I. Comparative new and improved test methods for sperm antibody detection
- (Mettler, Shirwani, and Gradl), 106 Spermatozoa, mammalian, radiolabeling of, and their use to monitor sperm transport in females (Lorton et al.), 732
- Sphingomyelin, lecithin/, ratio, fetal age and, their relationship to: Pulmonary lamellar bodies in human amniotic fluid (Lee, Bell, and Novy), 60
  - lung phospholipid profile, and fluorescence microviscosimetry, blind comparison study of (Golde and Mosley), 222
- Spontaneous abortion, induced or, outcome of delivery following (Schoenbaum et al.), 19
- Stage I: Carcinoma of endometrium (Malkasian, Annegers, and Foun-
- Starvation, protein synthesis in rat maternal and fetal tissues with (Hayashi and MacFarlane), 897
- Statistical fluctuations in heart rate variability indices (Detwiler, Jarisch, and Caritis), 243
- Sterilization, abortion-, abdominal hysterectomy for (Stumpf, Ballard, and Lowensohn), 714
- female, epidemiologic study of risk factors associated with pregnancy following (Chi et al.), 768
  - outpatient approach to, with methylcyanoacrylate (Neuwirth et
- interval female, suprapubic endoscopy for (Laufe), 257 (Comm. in
- Steroid-binding protein, sex, differentiation of, in adult rhesus monkeys (Burry et al.), 446
  - studies, ultrastructure and, in leiomyomatosis peritonealis disseminata (Sutherland et al.), 992
- concentrations, female sex, in ampullary and isthmic regions of human fallopian tube and their relationship to plasma concentrations during menstrual cycle (Batra et al.), 986
- production and responsiveness to gonadotropin in isolated stromal tissue of human postmenopausal ovaries (Dennefors et al.),

- Steroid-Cont'd
- receptors, translocation of, danazol binding and (Chamness, Asch, and Pauerstein), 426
- unlabeled, use of constant infusion of, to assess its metabolic clearance rate, its production rate, and its conversion into androgens and estrogens: Metabolism of androstenedione in human pregnancy (Belisle, Lehoux, and Brault), 1030
- Steroidogenesis, gonadotropin-induced ovarian, evidence that danazol inhibits, at point distal to gonadotropin-receptor interaction and adenosine 3',5' cyclic monophosphate formation (Menon, Azhar, and Menon), 524
- Streptococcus pneumoniae type III sepsis, fatal, in mother and infant (Tarpay, Turbeville, and Krous), 257 (Comm. in brief)
- Stress, acute exercise, in pregnant ewe (Clapp), 489 intrauterine, catecholamine metabolites in amniotic fluid as indicators of (Lagercrantz et al.), 1067
- (non-) test, reactive, fetal distress following (Schmidt, Thorneycroft, and Goebelsmann), 960 (Comm. in brief)
- Stromal tissue, isolated, of human postmenopausal ovaries, steroid production and responsiveness to gonadotropin in (Dennefors et al.), 997
- Student performance in multi-site clinical clerkship, evaluation of (Irby, Vontver, and Stenchever), 1020
- Summary of analysis of published articles (Editorial), 551
- Surgical management of extensive congenital hemangiofibrolipoma of vulva in infant (Tsoutsoplides), 260 (Comm. in brief) procedures, radical, results of, after radiation for treatment of inva-
- sive carcinoma of uterine cervix in private practice (Bonar), 1006
- Syndrome(s), amenorrhea-galactorrhea, predicted ovulatory response to 2-brom-alpha-ergocryptine (CB 154) in (Shewchuk et al.), 652
- Maroteaux-Lamy, pregnancy complicated by myelopathy due to (Bacchus and Peterson), 259 (Comm. in brief)
- respiratory distress, results of double-blind controlled study on use of betamethasone in prevention of (Doran et al.), 313
- Synthesis, protein, in rat maternal and fetal tissues with starvation (Hayashi and MacFarlane), 897
- and release, prolactin, during pregnancy and puerperium (Kletzky
- Systolic time intervals, cardiac, in fetal monkeys: Ventricular ejection time (Murata et al.), 603

- Telomeric fusion, replication and inactivation of dicentric X formed by (Sarto and Therman), 904
- Term fetus, influence of maternal oxygen administration of, before
  - labor (Young et al.), 321 human fetal membranes, in vitro conversion of pregnenolone to progesterone by (Gibb, Lavoie, and Roux), 631
  - near-, ewes, placental transfer of acetylsalicylic acid in (Anderson, Phernetton, and Rankin), 814
  - placenta, human, evidence for androgen-binding component in cytosol of (Stanley, Milwidsky, and Besch), 1003
  - (pre-) fetus, correlation with scalp pH in: Intrapartum fetal heart rate (Zanini, Paul, and Huey), 43
    - premature rupture of fetal membranes, conservative management of, in low socioeconomic population (Schreiber and Ben-
  - edetti), 92 term, and postterm pregnancy, uterine contractility and oxytocin sensitivity in (Takahashi et al.), 774
- Test(s), amniotic fluid, for fetal pulmonic maturity, clinical applicability of (O'Brien and Cefalo), 135 (Current developments)
- methods, comparative new and improved, for sperm antibody detection, I. Occurrence of sperm antibodies in human reproduction (Mettler, Shirwani, and Gradl), 106
- nonstress-outpatient approach, V. Antepartum fetal heart rate testing (Keegan et al.), 81
- as primary approach, IV. Antepartum fetal heart rate testing (Keegan and Paul), 75
- Value of single acceleration in evaluating fetus at risk (Mendenhall, O'Leary, and Phillips), 87
- postcoital, cervical mucus antibodies and, I. Immunologic infertility (Moghissi, Sacco, and Borin), 940
- reactive nonstress, fetal distress following (Schmidt, Thorneycroît, and Goebelsmann), 960 (Comm. in brief)
- Testing, antepartum fetal heart rate. IV. The nonstress test as primary approach (Keegan and Paul), 75 V. Nonstress test-outpatient approach (Keegan et al.), 81

- Testosterone and follicle-stimulating hormone assay, amniotic fluid, in prenatal determination of fetal sex (Doran et al.), 309
- Thrombocytopenic purpura, immunologic, fetal platelet counts in obstetric management of (Scott et al.), 495

### T

- Thyroid hormone concentrations, amniotic fluid, during human gestation (Klein et al.), 626
- Tissue(s) culture, monolayer, effect of prolactin on phospholipid biosynthesis by alveolar cell carcinoma (A549) in (Porreco, Merritt, and Gluck), 1071
- isolated stromal, of human postmenopausal ovaries, steroid production and responsiveness to gonadotropin in (Dennefors et al.),
- pH studies, continuous, II. Sinusoidal fetal heart rate (Katz, Wilson, and Young), 594
- rat maternal and fetal, protein synthesis in, with starvation (Hayashi
- and MacFarlane), 897 uterine, transfer of cefazolin and cephalothin to: Application of cephalosporins to obstetrics and gynecology (Yamada et al.),
- Toxemia, pancreatitis, and hyperemesis gravidarum, amylase/creatinine clearance ratio in normal pregnancy and pregnancies complicated by (DeVore, Bracken, and Berkowitz), 747
- Toxoplasmosis, acquired, prospective study of, among 8,043 pregnant women in the Oslo area (Stray-Pedersen), 399
- Transactions, ninetieth annual meeting, American Association of Obstetricians and Gynecologists, 825-956
- thirty-fifth annual meeting, Society of Obstetricians and Gynecologists of Canada, 269-334 Translocation of steroid receptors, danazol binding and (Chamness,
- Asch, and Pauerstein). 426
- Transsphenoidal removal of prolactinomas, changes in pituitary hormones during and following (Casper et al.), 518
- Triglyceride, glycerol, glucose, and cholesterol concentrations, plasma, in postmature rabbit (Harlow, Roux, and Shapiro), 500
- Trimester first-, induced abortion, ectopic trophoblast as complication of (Dessouky), 407 (Comm. in brief)
- Trophoblast, ectopic, as complication of first-trimester induced abortion (Dessouky), 407 (Comm. in brief)
  Trophoblastic disease, gestational, role of operation in current therapy of (Hammond, Weed, and Currie), 844
- - persistent, high-risk factor for development of: Acute pulmonary edema associated with molar pregnancies (Orr et al.), 412 (Comm. in brief)
- neoplasms, metastatic gestational treatment of (Lewis), 163 pseudotumors, clinical importance of diagnosis of (Rosenshein, Wij-
- nen, and Woodruff), 635 Tubal abortion, missed (Burrows, Moors, and Pekala), 691 (Comm. in brief
- adhesions, postoperative, prevention of (diZerega and Hodgen), 173 coagulation failures, laparoscopic, high rate of ectopic pregnancy following (McCausland), 97

- Ultrasound diagnosis of cervical pregnancy (Szeja, Rahaghi, and Rentz), 416 (Comm. in brief)
- of cystic hygroma (Frigoletto et al.), 962 (Comm. in brief)
  Doppler, second means of identifying fetal breathing movements
  using (Goodman and Mantell), 73
- prenatal determination of fetal brain and somatic weight by (Jordaan and Clark), 54
- scanning, real-time, and pelvic examination, simultaneous, in assessment of pelvic disease (Platt, Manning, and Hill), 693 (Comm. in brief)
- United States, legal abortions and trends in fetal and infant mortality rates in (Bauman and Anderson), 194
- Urethra, female, diverticula of (Hajj and Evans), 335 (Clinical opinion) Urethral dilatation, bladder pillar block anesthesia for, in women (Ostergard), 187
- Uric acid and oxypurines, fetal and maternal concentrations of, during
- labor and post partum (Wallenburg and van Kreel), 513 Uterine activity, evaluation of (Whittle and Miller), 38 blood flow, effect of nicotine upon, in pregnant rhesus monkey (Suzuki, Minei, and Johnson), 1009
  - cavity, another method of endoscopic examination of: Contact hysteroscopy (Barbot, Parent, and Dubuisson), 721

- Uterine-Cont'd
- cervix, indolent necrotizing granulomas of, possibly related to chlamydial infection (Christie and Krieger), 958 (Comm. in brief)
- invasive carcinoma of, results of radical surgical procedures after radiation for treatment of, in private practice (Bonar), 1006 contractility and oxytocin sensitivity in preterm, term, and postterm
- pregnancy (Takahashi et al.), 774 impulse, total, and cervical resistance at parturition (Rossavik), 579
- and ovarian artery blood flow in pregnant dog (Abitbol, Demeter, and Benaroch), 780
- and renal renin release after ligation of uterine arteries in pregnant rabbit (Katz et al.), 676 (Current investigation)
- tissue, transfer of cefazolin and cephalothin to: Application of cephalosporins to obstetrics and gynecology (Yamada et al.),
- vein overlying leiomyoma, hemoperitoneum from rupture of (Mattison and Yeh), 415 (Comm. in brief)

- Vaginal dysplasia, ileovaginal fistula following cryosurgery for (Dini and Jafari), 691 (Comm. in brief)
- hysterectomy, changing indications for (Porges), 153 (Clinical opin
  - single-dose and multidose prophylaxis in: Comparison of sodium cephalothin and metronidazole (Hamod et al.), 976
- infection, herpes simplex virus type 2, suppression by progesterone of nonspecific in vitro lymphocyte stimulation in mice as mechanism for enhancement of (Baker et al.), 440
- relaxation, classification (Beecham), 957 (Comm. in brief) ring, contraceptive, four oral contraceptive formulations and, com-parison of metabolic and clinical effects of (Roy et al.), 920
- Variability indices, heart rate, statistical fluctuations in (Detwiler, Jarisch, and Caritis), 243
- Vasoactive intestinal polypeptide nerves in human female genital tract (Alm et al.), 349
- Vein, uterine, overlying leiomyoma, hemoperitoneum from rupture of (Mattison and Yeh), 415 (Comm. in brief)
- Vessels, recanalization of: Internal iliac artery ligation for postpartum hemorrhage (Dubay, Holshauser, and Burchell), 689 (Comm.
- in brief) Vinblastine, bleomycin, and cis-platinum, sustained remission of choriocarcinoma with, after failure of conventional combination drug therapy (Schlaerth, Morrow, and DePetrillo), 983
- Virus type 2 vaginal infection, herpes simplex, suppression by progesterone of nonspecific in vitro lymphocyte stimulation in mice as mechanism for enhancement of (Baker et al.), 440
- Vulva, carcinoma in situ of: Continuing challenge (Friedrich, Wilkinson, and Fu), 830
- surgical management of extensive congenital hemangiofibrolipoma of, in infant (Tsoutsoplides), 260 (Comm. in brief)
- Vulvectomy specimens, radical, xeroradiography of (Buchsbaum, Platz, and Brown), 132

- Weighing 1,000 to 2,000 grams at birth and delivered in perinatal unit, infants, growth and development of (Shennan and Milligan),
  - perinatal management and outcome in infant (Milligan and Shennan), 269
- Weight, fetal brain and somatic, prenatal determination of, by ultrasound (Jordaan and Clark), 54
  - gain in pregnancy, maternal obesity, and infant birth weight, (Harrison, Udall, and Morrow), 411 (Comm. in brief)

Xeroradiography of radical vulvectomy specimens (Buchsbaum, Platz, and Brown), 132

## 7.

- Zinc, dietary lead and, effects of, on fetal organ growth (Dilts and Ahokas), 889
- excess dietary, protective effect of: Cadmium-induced fetal growth retardation (Ahokas, Dilts, and LaHaye), 216

## **Editors**

JOHN I. BREWER, Editor in Chief

FREDERICK P. ZUSPAN, E. J. QUILLIGAN, Editors

ALBERT B. GERBIE, Associate Editor

HOWARD C. TAYLOR, JR., ALLAN C. BARNES, Emeritus Editors

# Advisory committee on policy

C. D. Christian Edgar L. Makowski
Leo J. Dunn George D. Malkasian
David Figge Roy T. Parker
Fred T. Given W. Ann Reynolds
A. Brian Little J. C. G. Whetham

# Board of corresponding editors

Oscar Aguero, Caracas Frederick Kubli, Heidelberg Pierre O. Hubinont, Brussels Malcolm Symonds, Nottingham Ichiro Taki, Fukuoka

Volume 137 May-August, 1980 The C. V. Mosby Company St. Louis 1980 in addition to those listed on the front cover the Journal is the official publication of the following societies

NEW YORK OBSTETRICAL SOCIETY OBSTETRICAL SOCIETY OF PHILADELPHIA BROOKLYN GYNECOLOGICAL SOCIETY ST. LOUIS GYNECOLOGICAL SOCIETY NEW ORLEANS GYNECOLOGICAL AND OBSTETRICAL SOCIETY THE OBSTETRICAL AND GYNECOLOGICAL SOCIETY OF MARYLAND CHICAGO GYNECOLOGICAL SOCIETY CINCINNATI OBSTETRICAL AND GYNECOLOGICAL SOCIETY WASHINGTON GYNECOLOGICAL SOCIETY PITTSBURGH OBSTETRICAL AND GYNECOLOGICAL SOCIETY BOSTON OBSTETRICAL SOCIETY LOUISVILLE OBSTETRICAL AND GYNECOLOGICAL SOCIETY SEATTLE GYNECOLOGICAL SOCIETY ALABAMA ASSOCIATION OF OBSTETRICIANS AND GYNECOLOGISTS AKRON OBSTETRICAL AND GYNECOLOGICAL SOCIETY KANSAS CITY GYNECOLOGICAL SOCIETY CENTRAL NEW YORK ASSOCIATION OF GYNECOLOGISTS AND OBSTETRICIANS NEW JERSEY OBSTETRICAL AND GYNECOLOGICAL SOCIETY IOWA OBSTETRIC AND GYNECOLOGIC SOCIETY THE TEXAS ASSOCIATION OF OBSTETRICIANS AND GYNECOLOGISTS OKLAHOMA CITY OBSTETRICAL AND GYNECOLOGICAL SOCIETY MEMPHIS OBSTETRICAL AND GYNECOLOGICAL SOCIETY UTAH OBSTETRICAL AND GYNECOLOGICAL SOCIETY ROCHESTER OBSTETRICAL AND GYNECOLOGICAL SOCIETY ARKANSAS OBSTETRICAL AND GYNECOLOGICAL SOCIETY TENNESSEE STATE OBSTETRICAL AND GYNECOLOGICAL SOCIETY NEW YORK GYNECOLOGICAL SOCIETY PACIFIC NORTHWEST OBSTETRICAL AND GYNECOLOGICAL ASSOCIATION BUFFALO OBSTETRICAL AND GYNECOLOGICAL SOCIETY SAN FRANCISCO GYNECOLOGICAL SOCIETY JACKSON GYNECIC SOCIETY INDIANA OBSTETRICAL AND GYNECOLOGICAL SOCIETY THE MINNESOTA OBSTETRICAL AND GYNECOLOGICAL SOCIETY

Volume 137 Copyright © 1980 by The C. V. Mosby Company (All rights reserved)

Printed in the United States of America

## Index to volume 137

## Author index\*

AARONSON, STUART A. (see ROSEN ET AL.), 525

ABRAMOVICH, DAVID R. (see GRAY and ABRAMOVICH), 491

ADAM, ERVIN, DREESMAN, GORDON E., KAUFMAN, RAYMOND H., and MELNICK, JOSEPH L. Asymptomatic virus shedding after herpes genitalis, 827 (see Kaufman et al.), 299

Adamsons, Karlis (see Mueller-Heubach, Myers, and Adamsons), 48

AMIN, EL-SAYED, EL-SAYED, MOHAMED M., EL-GAMEL, BASIUONY A., and Nayel, Sayed A. Comparative study of the effect of oral contraceptives containing 50  $\mu g$  of estrogen and those containing 20 µg of estrogen on adrenal cortical function, 831

AMSTEY, MARVIN S., LEWIN, EDWARD, and COLAICE, JOYCE. Vaginal colonization with invasive Escherichia coli during pregnancy, 534

ANDERSON, CRAIG W., and CORDERO, LEANDRO. Changes in amniotic fluid optical density at 450 mµ in Rh-sensitized patients after maternal hydrocortisone treatment, 820

Anderson, Debra F., Phernetton, Terrance M., and Rankin, John H. G. Prediction of fetal drug concentrations, 735
Andrinopoulos, George C. (see O'Leary, Andrinopoulos, and

GIORDANO), 704

ANTONIOLI, DONALD A., BURKE, LOUIS, and FRIEDMAN, EMANUEL A. Natural history of diethylstilbestrol-associated genital tract lesions: Cervical ectopy and cervicovaginal hood, 847

APPELBAUM, PETER C., SHULMAN, GERALD, CHAMBERS, NANCY L., SI-MON, NICOLAS V., GRANADOS, JUAN L., FAIRBROTHER, PAUL F., and NAEYE, RICHARD L. Studies on the growth-inhibiting property of amniotic fluids from two United States population groups, 579

APUZZIO, J. (see MIDDLETON ET AL.), 144
ARCHER, DAVID F., SALAZAR, HERNANDO, MAROON, JOSEPH C., and
HOUGH, LINDA J. Prolactin-secreting pituitary adenomas:
Serum and tissue prolactin levels with ultrastructural correlation, 646

ARNOLD, KATHLEEN A. (see EDWARDS ET AL.), 583 ASCH, RICARDO H. (see NEZHAT, ASCH, and GREENBLATT), 604 ASSALI, N. S. (see NUWAYHID ET AL.), 25 ATIENZA, MILAGROS F. (see King, ATIENZA, and BURKMAN), 530

Austin, J. Max (see Partridge et al.), 412, 419

AZOURY, RAMEZ S. (see ISSA ET AL.), 608

BAER, HERMAN (see MONIF ET AL.), 432

BAKER, CAROL J., WEBB, BETTE J., KASPER, DENNIS L., YOW, MARTHA D., and BEACHLER, CRAIG W. The natural history of group B streptococcal colonization in the pregnant woman and her offspring. II. Determination of serum antibody to capsular polysaccharide from type III, group B Streptococcus, 39 Baker, Elizabeth R. (see Williamson et al.), 893 Bammann, Barbara L., Coulam, Carolyn B., and Jiang, Nai-Siang.

Total and free testosterone during pregnancy, 293

BARBENEL, J. C. (see Lowe et al.), 840

BARFORD, DONALD A. G. (see LEVY ET AL.), 701

BARTON, JOHN J., ROVNER, SCOTT, PULS, KATHERINE, and READ, PA-TRICIA A. Alternative birthing center: Experience in a teaching obstetrics service, 377

BARTON, JUDITH L. (see MARTINEZ and BARTON), 78

BAUMGARTEN, KURT (see GRUBER and BAUMGARTEN), 8 BEACHLER, CRAIG W. (see BAKER ET AL.), 39

— (see Yow et al.), 34
Benedet, J. L., Turko, M., Boyes, D. A., Nickerson, K. G., and
Bienkowska, B. T. Radical hysterectomy in the treatment of cervical cancer, 254

BENEDETTI, THOMAS J., and QUILLIGAN, E. J. Cerebral edema in severe pregnancy-induced hypertension, 860 (Comm. in brief) BENIRSCHKE, KURT (see KAPLAN, BENIRSCHKE, and TARZY), 858

BERGER, GARY S. (see HULKA ET AL.), 92

Berglund, K. (see Rubio et al.), 843
Berkowitz, Richard L., and Rafferty, Terence D. Invasive hemodynamic monitoring in critically ill pregnant patients: Role of Swan-Ganz catheterization, 127 (Current developments)

(see Fine, Bracken, and Berkowitz), 15 BERKUS, MICHAEL, and DALY, JAMES W. Cone biopsy: An outpatient procedure, 953

BERNSTEIN, A. (see HAWRYLYSHYN, ORGAN, and BERNSTEIN), 801 (see Organ, Bernstein, and Hawrylyshyn), 810

BIENKOWSKA, B. T. (see BENEDET ET AL.), 254

BINDER, GARY L. (see KAUFMAN ET AL.), 299

BIRK, SHARON A. (see GELMAN ET AL.), 459

— (see Spellacy et al.), 109 Bissonnette, John M., Hohimer, A. Roger, Cronan, James Z., and PAUL, MARILYN S. Effect of oxygen and of carbon dioxide tension on the incidence of apnea in fetal lambs, 575

BLANKSTEIN, J., FUJIEDA, K., REYES, F. I., FAIMAN, C., and WINTER, J. S. D. Cortisol, 11-desoxycortisol, and 21-desoxycortisol concentrations in amniotic fluid during normal pregnancy, 781

(see FUJIEDA ET AL.), 962

BLECHNER, JACK N. (see RAYE, DUBIN, and BLECHNER), 505

BLUSZTAJN, JAN K. (see ZEISEL, MILUNSKY, and BLUSZTAJN), 481

BOEHM, JOHN J. (see DEPP ET Al.), 338

BOLAN, JEAN (see DESSOUKY and BOLAN), 147 BONAMO, J. (see MIDDLETON ET AL.), 144

BONGIOVI, VALERI (see HARPER ET AL.), 617 BOOTS, LARRY R. (see HATCH ET AL.), 122

Bowes, Christine (see Bowes, Gabbe, and Bowes), 791

Bowes, Watson A., Jr., Gabbe, Steven G., and Bowes, Christine. Fetal heart rate monitoring in premature infants weighing 1,500 grams or less, 791

BOYES, D. A. (see BENEDET ET AL.), 254

BRACKEN, MICHAEL (see Fine, Bracken, and Berkowitz), 15

Brereton, Harmar D. (see Grumbine et al.), 959

BRIHI, EMILE (see ISSA ET AL.), 608

BRINK, GARY W. (see RESNIK and BRINK), 267 BRINKMAN, C. R., III (see NUWAYHID ET AL.), 25

BRITTON, JOHN J. Sterilization by cesarean hysterectomy, 887 BROSENS, I. (see DE WOLF ET AL.), 58

BUHI, WILLIAM C. (see GELMAN ET AL.), 459

(see Spellacy et al.), 109

BULLER, RICHARD E. (see Jones and Buller), 882 BURKE, LOUIS (see ANTONIOLI, BURKE, and FRIEDMAN), 847

BURKMAN, RONALD T. (see KING, ATIENZA, and BURKMAN), 530 BURROWS, STANLEY. Serum enzymes in the diagnosis of ovarian malig-

nancy, 140 (Comm. in brief) BUSCEMA, J., STERN, J., and WOODRUFF, J. D. The significance of the histologic alterations adjacent to invasive vulvar carcinoma,

902 BUTTRAM, VEASY C., JR. (see MALINAK ET AL.), 332 (see SIMPSON ET AL.), 327

CABALUM, M. T. (see NUWAYHID ET AL.), 25 CALVERT, IDA S. (see ROSEN ET AL.), 525

CARITIS, STEVE N. (see MUELLER-HEUBACH ET AL.), 758

CAPSON, JOHN (see VESTERINEN ET AL.), 681

CASTILLO, MARIA S. (see SCHENKEN ET AL.), 773

CASTRACANE, V. DANIEL (see SHAIKH, SHAIKH, and CASTRACANE), 672 CAVANAGH, DENIS (see PRAPHAT ET AL.), 514

CEDERQVIST, LARS L. (see LAUERSEN, CEDERQVIST, and WILSON), 753

- CEFALO, R. C., LEWIS, P. E., O'BRIEN, W. F., FLETCHER, J. R., and RAMWELL, P. W. The role of prostaglandins in endotoxemia: Comparisons in response in the nonpregnant, maternal, and fetal models. I. Prostaglandins and the pulmonary effect of experimental endotoxemia, 53
- CHAMBERS, NANCY L. (see APPELBAUM ET Al.), 579
- CHARD, T. (see GRUDZINSKAS ET AL.), 866
- CHAVKIN, J. (see VAGO and CHAVKIN), 511
- CHEIN, CONNIE (see COLLEA, CHEIN, and QUILLIGAN), 235
- CHICHONI, EDUARDO (see NAVES, MONTI, and CHICHONI), 136 CHRISTIAN, C. D. (see GROSSO ET AL.), 569
- CHRISTIAN, JOE C. (see SANDBERG AND CHRISTIAN), 220
- CLARK, DOROTHY J. (see YOW ET AL.), 34
- CLARK, LAUREN (see KOBBERMANN, CLARK, and GRIFFIN), 742
- CLEARY, R. E. (see Young et al.), 284
  COLLEA, JOSEPH V., CHEIN, CONNIE, and QUILLIGAN, EDWARD J. The randomized management of term frank breech presentation: A study of 208 cases, 235
- COLLIER, ALBERT M. (see VESTERINEN ET AL.), 681
- COOPERMAN, NORMAN R., KASIM, MEHMET, and RAJASHEKARAIAH, K. R. Clinical significance of amniotic fluid, amniotic membranes, and endometrial biopsy cultures at the time of cesarean section, 536
- COPELAND, WILLIAM J. (see PRAPHAT ET AL.), 514
- CORDERO, LEANDRO (see ANDERSON and CORDERO), 820
- COTTON, DAVID B., READ, JOHN A., PAUL, RICHARD H., and QUILLIGAN, EDWARD J. The conservative aggressive management of placenta previa, 687
- COULAM, CAROLYN B. (see BAMMANN, COULAM, and JIANG), 293
- Creasman, William T. (see Jelovsek et al.), 85 Creasy, Robert K., Golbus, Mitchell S., Laros, Russell K., Jr., PARER, JULIAN T., and ROBERTS, JAMES M. Oral ritodrine maintenance in the treatment of preterm labor, 212
- CRISP, WILLIAM E. (see MARIN and CRISP), 862
- (see RICHART ET AL.), 823 CRONAN, JAMES Z. (see BISSONNETTE ET AL.), 575
- CROXATTO, HORACIO B. (see DÍAZ, ORTIZ, and CROXATTO), 116
- CUTLER, WINNIFRED BERG. Lunar and menstrual phase locking, 834

- DALY, JAMES W. (see BERKUS and DALY), 953
- DAVIES, I. JOHN (see FRIGOLETTO ET AL.), 521
- DE WOLF, F., DE WOLF-PEETERS, C., BROSENS, I., and ROBERTSON, W. B. The human placental bed: Electron microscopic study of tro-
- phoblastic invasion of spiral arteries, 58 De Wolf-Peeters, C. (see De Wolf et al.), 58
- DEMERS, LAURENCE M., and JONES, D. E. DARNELL. Serum concentration of bile acids in maternal blood and cord blood at parturition, 146 (Comm. in brief)
- DEPETRILLO, AMODIO (see RICHART ET AL.), 823
- Depp, Richard, Boehm, John J., Nosek, Janet A., Dooley, Sharon L., and Hobart, John M. Antenatal corticosteroids to prevent neonatal respiratory distress syndrome: Risk versus benefit considerations, 338
- DESSOUKY, DESSOUKY AHMAD, and BOLAN, JEAN. Uteroabdominal sinus
- following cesarean section, 147 (Comm. in brief) Devoe, Lawrence D. Clinical implications of prospective antepartum fetal heart rate testing, 983
- DEVORE, JAY S., and KOSKELA, MOLLIE. The language barrier in obstetric anesthesia, 745 (Comm. in brief)
- DÍAZ, SOLEDAD, ORTIZ, MARÍA-ELENA, and CROXATTO, HORACIO B. Studies on the duration of ovum transport by the human oviduct. III. Time interval between the luteinizing hormone peak and recovery of ova by transcervical flushing of the uterus in normal women, 116
- DILLING, LOUISE A. (see HAWORTH ET AL.), 719
- DOMINGUE, JAMES N., RICHMOND, ISABELLE L., and WILSON, CHARLES B. Results of surgery in 114 patients with prolactin-secreting
- pituitary adenomas, 102 Donowitz, Leigh G., and Wenzel, Richard P. Endometritis following cesarean section, 467
- DOOLEY, SHARON L. (see DEPP ET AL.), 338
- DOVE, DOUGLAS J. Chorea associated with oral contraceptive therapy, 740 (Comm. in brief)
- Draffin, Richard (see Jelovsek et al.), 85 Dreesman, Gordon E. (see Adam et al.), 827 Drummond, M. M. (see Lowe et al.), 840

- DRUZIN, MAURICE L., GRATACOS, JOSÉ, and PAUL, RICHARD H. Antepartum fetal heart rate testing. VI. Predictive reliability of "normal" tests in the prevention of antepartum death, 746 (Comm. in brief)
- DUBIN, JOSEPH W. (see RAYE, DUBIN, and BLECHNER), 505
- DUNN, L. J. (see KREBS ET AL.), 936

- EDDY, CARLTON A. Ovum transport in the rhesus monkey following postovulatory intravaginal 15(S)-15-methyl prostaglandin F<sub>2</sub> -methyl ester administration, 966
- EDELSTONE, DANIEL I. (see MUELLER-HEUBACH ET AL.), 758
- EDWARDS, LAURA E., STEINMAN, MARY E., ARNOLD, KATHLEEN A., and HAKANSON, ERICK Y. Adolescent contraceptive use: Experi-
- ence in 1,762 teenagers, 583 Ehrlich, C. E. (see Young et al.), 284 Einhorn, L. H. (see Young et al.), 284
- EL-GAMEL, BASIUONY A. (see AMIN ET AL.), 831
- EL-MAHGOUB, S., and YASEEN, S. A positive proof of coelomic netaplasia, 137 (Comm. in brief) EL-SAYED, MOHAMED M. (see AMIN ET AL.), 831 ELGER, W. (see SCHMIDT-GOLLWITZER ET AL.), 867
- ELIAS, SHERMAN (see MALINAK ET AL.), 332
- (see SIMPSON ET AL.), 327
- ELLENBERG, JOHN F. (see McCoy, Ellenberg, and Killam), 739
- ELLESTAD-SAYED, J. J. (see HAWORTH ET AL.), 719 ELLMORE, NELSON (see ROSEN ET AL.), 525
- EPSTEIN, CHARLES J. (see STEPHENS ET AL.), 747

- FAIMAN, C. (see BLANKSTEIN ET AL.), 781
- (see Fujieda et al.), 962
- FAIRBROTHER, PAUL F. (see APPELBAUM ET AL.), 579
- FANAROFF, AVROY A. (see HACK ET AL.), 797
- FEJGIN, MOSHE D. (see JAVAHERI and FEJGIN), 588
- FERENCZY, ALEX (see RICHART ET AL.), 823
- FINE, EMILY A., BRACKEN, MICHAEL, and BERKOWITZ, RICHARD L. An evaluation of the usefulness of x-ray pelvimetry: Comparison of the Thoms and modified Ball methods with manual pelvimetry, 15 Fishburne, J. I., Meis, P. J., Urban, R. B., Greiss, F. C., Wheeler, A.
- S., JAMES, F. M., SWAIN, M. F., and RHYNE, A. L. Vascular and uterine responses to dobutamine and dopamine in the gravid
- ewe, 944
  Fisher, Kenneth F. (see Singson, Fisher, and Lindheimer), 857
- FLETCHER, J. R. (see Cefalo et al.), 53 Forbes, C. D. (see Lowe et al.), 840
- FOWLER, WESLEY C., JR. (see HULKA ET AL.), 92

- FRIEDMAN, EMANUEL A. (see ANTONIOLI, BURKE, and FRIEDMAN), 847
  FRIEDMAN, WILLIAM F. (see HOSKINS AND FRIEDMAN), 496
  FRIGOLETTO, FREDRIC D., JR., PHILLIPPE, MARK, DAVIES, I. JOHN, and
  RYAN, KENNETH J. Avoiding iatrogenic prematurity with elective repeat cesarean section without the routine use of amniocentesis, 521
- FROST, FLOYD (see SHY, FROST, and ULLOM), 547
- FUCHS, FRITZ (see ZERVOUDAKIS, KRAUSS, AND FUCHS), 713
  FUCHS, KARL. Therapy of vaginismus by hypnotic desensitization, 1 (Clinical opinion)
- FUDENBERG, H. H. (see WILLIAMSON ET AL.), 893
- FUJIEDA, K., REYES, F. I., BLANKSTEIN, J., and FAIMAN, C. Pituitaryadrenal function in women treated with low doses of prednisone, 962
- (see Blankstein et al.), 781

## G

- GABBE, STEVEN G. (see Bowes, GABBE, and Bowes), 791
- GALL, STANLEY A., and HILL, GALE B. High-dose cefamandole therapy in obstetric and gynecologic infections, 914
- GARDNER, A. (see LUTHER ET AL.), 351
- GARDNER, HERMAN L. Haemophilus vaginalis vaginitis after twenty-five vears, 385
- GELMAN, STANLEY R., SPELLACY, WILLIAM N., WOOD, SELMA, BIRK, SHARON A., and BUHI, WILLIAM C. Fetal movements and ultrasound: Effect of maternal intravenous glucose administration 459
- GENADRY, RENE R. (see ROSENSHEIN, GENADRY, and WOODRUFF), 439 GERTHOFFER, ELIZABETH (see KAUFMAN ET AL.), 299

GIARRATANO, ROBERT C. (see MIESFELD, GIARRATANO, and MOYERS), 183

GIORDANO, PATRICIA C. (see O'LEARY, ANDRINOPOULOS, and GIOR-DANO), 704

GLUCK, JOAN (see HEAL and GLUCK), 975

Golbus, Mitchell S. (see Creasy et al.), 212
— (see Stephens et al.), 747

GOLDE, STEVEN H. (see ORRICK and GOLDE), 135

GOODNER, DAVID M. (see PARKER ET AL.), 656 GORDON, Y. B. (see GRUDZINSKAS ET AL.), 866

Goto, Setsuko, Nishi, Hideo, and Томода, Yutaka. Blood group Rh-D factor in human trophoblast determined by immunofluorescent method, 707

GRANADOS, JUAN L. (see APPELBAUM ET AL.), 579

GRATACOS, JOSÉ (see DRUZIN, GRATACOS, and PAUL), 746

GRAVES, WILLIAM K. Breech delivery in twenty years of practice, 229 GRAY, ELIZABETH S., and ABRAMOVICH, DAVID R. Morphologic features of the anencephalic adrenal gland in early pregnancy, 491 GRAY, J. (see LUTHER ET AL.), 351

GREENBERG, BERNARD G. (see HULKA ET AL.), 92

GREENBLATT, ROBERT B. (see NEZHAT, ASCH, and GREENBLATT), 604

Greiss, F. C. (see Fishburne et al.), 944 Griffin, William T. (see Kobbermann, Clark, and Griffin), 742 GRIFFITH, THOMAS K. The irregular antibodies-A continuing problem, 174

GRIMES, DAVID A., HULKA, JAROSLAV F., and McCutchen, MARY E. Midtrimester abortion by dilatation and evacuation versus intra-amniotic instillation of prostaglandin F2α: A randomized clinical trial, 785

GRIMSON, ROGER C. (see HULKA ET AL.), 92 GROSSO, D. S., MACDONALD, C. P., THOMASSON, J. E., and CHRISTIAN, C. D. Relationship of newborn serum prolactin levels to the respiratory distress syndrome and maternal hypertension, 569

GRUBER, WALTHER S., and BAUMGARTEN, KURT. Intravenous prostaglandin  $E_2$  and 16-phenoxy prostaglandin  $E_2$  methyl sulfonylamide for induction of fetal death in utero, 8

GRUDZINSKAS, J. G., GORDON, Y. B., OBIEKWE, B. C., PENDLEBURY, D., and Chard, T. Detection of circulating placental protein 5 in patients with trophoblastic tumors, 866 (Comm. in brief)

GRUMBINE, FRANCIS C., ROSENSHEIN, NEIL B., BREREFON, HARMAR D.,
and Kaufman, Stephen L. Management of liver metastasis from gestational trophoblastic neoplasia, 959

GUILLEMIN, ROGER (see OYAMA ET AL.), 613

GUZINSKI, GAY M. (see McGuire, Guzinski, and Holmes), 600

## H

HACK, MAUREEN, MERKATZ, IRWIN R., JONES, PAUL K., and FANAROFF, AVROY A. Changing trends of neonatal and postneonatal deaths in very-low-birth-weight infants, 797

HAESSLEIN, HANNS C., and NISWANDER, KENNETH R. Fetal distress in term pregnancies, 245

HAKANSON, ERICK Y. (see EDWARDS ET AL.), 583

HAMMOND, CHARLES B. (see JELOVSEK ET AL.), 85

(see VAUGHN, WIEBE, and HAMMOND), 749

HARPER, RITA G., KENIGSBERG, KENNETH, SIA, CONCEPCION G., HORN, DAVID, STERN, DANIEL, and BONGIOVI, VALERIE. Xiphopagus conjoined twins: A 300-year review of the obstetric, morphopathologic, neonatal, and surgical parameters, 617 (Current developments)

HATCH, KENNETH D., SHINGLETON, HUGH M., YOUNGER, BENJAMIN, and Boots, LARRY R. Elevated titers of the beta subunit of human chorionic gonadotropin in oophorectomized women being treated for trophoblastic disease, 122

(see PARTRIDGE ET Al.), 412, 419

HAWORTH, J. C., ELLESTAD-SAYED, J. J., KING, JEAN, and DILLING, LOUISE A. Feral growth retardation in cigarette-smoking mothers is not due to decreased maternal food intake, 719

HAWRYLYSHYN, P. A., ORGAN, L. W., and BERNSTEIN, A. A new computer technique for continuous measurement of the pre-ejection period in the human fetus: Physiologic significance of pre-ejection period patterns, 801

- (see Organ, Bernstein, and Hawrylyshyn), 810

HAYASHI, ROBERT H. (see SCHENKEN ET AL.), 773
HAYNES, DOUGLAS M. Remember the tune, 638
HEAL, ALBERT V., and GLUCK, JOAN. Qualitative detection of a human placental lactogen-binding substance by radioassay, 975

HICKS, DOROTHY J. Rape: Sexual assault, 931

HILL, GALE B. (see GALL and HILL), 914

(see MILLER ET AL.), 451

HOBART, JOHN M. (see DEPP ET AL.), 338

HOGUE, CAROL J. R. (see HULKA ET AL.), 92

HOHIMER, A. ROGER (see BISSONNETTE ET AL.), 575 HOLMES, KING K. (see McGuire, Guzinski, and Holmes), 600

HONORÉ, LOUIS H. The increased incidence of renal stones in women with spontaneous abortion: A retrospective study, 145 (Comm. in brief)

HORN, DAVID (see HARPER ET AL.), 617

HOSKINS, EDWARD J., and FRIEDMAN, WILLIAM F. Influence of maternal alpha-methyldopa on sympathetic innervation in the newborn rabbit heart, 496

HOUGH, LINDA J. (see ARCHER ET AL.), 646

HRYCAK, PATER (see WILCHINS ET AL.), 854

HULKA, BARBARA S., FOWLER, WESLEY C., JR., KAUFMAN, DAVID G., GRIMSON, ROGER C., GREENBERG, BERNARD G., HOGUE, CAROL J. R., BERGER, GARY S., and PULLIAM, CHARLES C. Estrogen and endometrial cancer: Cases and two control groups from North Carolina, 92

HULKA, JAROSLAV F. (see GRIMES, HULKA, and McCutchen), 785

INGEMARSSON, INGEMAR (see IOSIF, INGEMARSSON, and ULMSTEN), 696 Iosif, Serafim, Ingemarsson, Ingemar, and Ulmsten, Ulf. Urodynamic studies in normal pregnancy and in puerperium, 696 IOZZO, RENATO V. (see WIEGENSTEIN and IOZZO), 744

ISAKSSON, ANDERS, KALLNER, ANDERS, LANTTO, OLLE, and SOMELL, CHRISTINA. Rhythmic changes in estriol excretion during pregnancy, 470

ISSA, PHILIP Y., SALEM, PHILIP A., BRIHI, EMILE, and AZOURY, RAMEZ S. Eosinophilic granuloma with involvement of the female geni-

JAMES, F. M. (see FISHBURNE ET AL.), 944

JAVAHERI, G., and FEJGIN MOSHE D. Diagnostic value of colposcopy in the investigation of cervical neoplasia, 588

JELOVSEK, FREDERICK R., HAMMOND, CHARLES B., WOODARD, BRETT H., DRAFFIN, RICHARD, LEE, KERRY L., CREASMAN, WILLIAM T. and PARKER, ROY T. Risk of exogenous estrogen therapy and endometrial cancer, 85

JENG, DAI-YUN (see SCHER ET AL.), 769

JIANG, NAI-SIANG (see BAMMANN, COULAM, and JIANG), 293

JOHNSON, GARY (see RICHART ET AL.), 823

JOHNSSON, JOHN E. (see TROPE, LÖGDBERG, and JOHNSSON), 743 JOHNSTON, JOHN M. (see SCHWARZ, MACDONALD, and JOHNSTON), 21 JONES, D. E. DARNELL (see DEMERS AND JONES), 146

JONES, HOWARD W., III, and BULLER, RICHARD E. The treatment of cervical intraepithelial neoplasia by cone biopsy, 882

JONES, PAUL K. (see HACK ET AL.), 797 JORDAAN, H. V. F. (see KREBS ET AL.), 936

JORET, DALE (see MUELLER-HEUBACH ET AL.), 758

KALLNER, ANDERS (see ISAKSSON ET AL.), 470

Kalra, Pushpa S. (see Spellacy et al.), 109 Kaminska, Janina (see Rosen et al.), 525 Kaplan, Cynthia, Benirschke, Kurt, and Tarzy, Bruce. Placental tuberculosis in early and late pregnancy, 858 (Comm. in brief) KASIM, MEHMET (see COOPERMAN, KASIM, and RAJASHEKARAIAH), 536

KASPER, DENNIS L. (see BAKER ET AL.), 39 KATZ, MICHAEL, and SOKAL, MYRON M. Skin perfusion in pregnancy,

30

KAUFMAN, DAVID G. (see HULKA ET AL.), 92

KAUFMAN, RAYMOND H., ADAM, ERVIN, BINDER, GARY L., and GERTH-OFFER, ELIZABETH. Upper genital tract changes and pregnancy outcome in offspring exposed in utero to diethy-stilbestrol, 299

- (see Reeves and Kaufman), 509

- (see Adam et al.), 827

KAUFMAN, STEPHEN L. (see GRUMBINE ET AL.), 959

KAUPPILA, ANTTI, KIVELÄ, AARRE, KONTULA, KIMMO, and TUIMALA, RISTO. Serum progesterone, estradiol, and estriol before and

during induced labor, 462 Kaylor, William M., Jr. (see Van Geijn et al.), 43

KEEN, F. K. (see Young ET AL.), 284

KELLEY, LUCKY K. (see SCHLEPPHORST, KELLEY, and SMITH), 499

KENIGSBERG, KENNETH (see HARPER ET AL.), 617

KERENYI, THOMAS D. (see SCHER ET AL.), 769

KESKI-OHA, JORMA (see VESTERINEN ET AL.), 681

KILLAM, ALLEN P. (see McCoy, Ellenberg, and KILLAM), 739

KING, JEAN (see HAWORTH ET AL.), 719

KING, THEODORE M., ATIENZA, MILAGROS F., and BURKMAN, RONALD T. The incidence of abdominal surgical procedures in a population undergoing abortion, 530

KINGSTON, E. J. (see ROBINSON, KINGSTON, and THORBURN), 729 KIRKLEY, WILLIAM H. Fetal survival—What price, 873

KIVELÄ, AARRE (see KAUPPILA ET AL.), 462

KNIGHT, PAUL C. (see TRUDINGER and KNIGHT), 724

KOBBERMANN, THOMAS, CLARK, LAUREN, and GRIFFIN, WILLIAM T. Maternal death secondary to disseminated herpesvirus hominis, 742 (Comm. in brief)

KOCK, Y. (see RUBIO ET AL.), 843

KONTULA, KIMMO (see KAUPPILA ET AL.), 462 KORCAZ, Y. (see LUTHER ET AL.), 351

KOSKELA, MOLLIE (see DEVORE and KOSKELA), 745

KRAUSS, ALFRED (see ZERVOUDAKIS, KRAUSS, and FUCHS), 713 Krebs, H. B., Petres, R. E., Dunn, L. J., Jordaan, H. V. F., and Segreti, A. Intrapartum fetal heart rate monitoring. III. Association of meconium with abnormal fetal heart rate pat-

KUNTZ, WILLIAM D. Supine pressor (roll-over) test: An evaluation, 764

LANGE, M. (see MIDDLETON ET AL.), 144

LANTTO, OLLE (see ISAKSSON ET AL.), 470

LAROS, RUSSELL K., JR. (see Creasy et al.), 212 LAUERSEN, NIELS H., CEDERQVIST, LARS L., and WILSON, KATHLEEN H. Management of intrauterine fetal death with prostaglandin E2 vaginal suppositories, 753

LAWRENCE, W. DWAYNE, and SHINGLETON, HUGH M. Early physiologic squamous metaplasia of the cervix: Light and electron microscopic observations, 661

LEE, KERRY L. (see JELOVSEK ET AL.), 85 LEEDS, LEROY J. (see YOW ET AL.), 34

LEVY, MARTIN (see WILCHINS ET AL.), 854

LEVY, RICHARD P., NEWMAN, DAVID M., REJALI, LISA S., 2nd BARFORD,
DONALD A. G. The myth of goiter in pregnancy, 701
LEWIN, EDWARD (See AMSTEY, LEWIN, and COLAICE), 534
LEWIS, P. E. (See CEFALO ET AL.), 53

LICKRISH, GORDON (see RICHART ET AL.), 823

LIEB, S. M. (see NUWAYHID ET AL.), 25

LIN, CHIN-CHU, MOAWAD, ATEF H., ROSENOW, PHILIP J., and RIVER, PHILIP. Acid-base characteristics of fetuses with intrauterine growth retardation during labor and delivery, 553

LINDHEIMER, MARSHALL D. (see SINGSON, FISHER, and LINDHEIMER), 857 LING, NICHOLAS (see OYAMA ET AL.), 613

LÖGDBERG, LENNART (see TROPE, LÖGDBERG, and JOHNSSON), 743 LONGO, LAWRENCE D. Environmental pollution and pregnancy: Risks

and uncertainties for the fetus, 162 LOURIA, D. B. (see MIDDLETON ET AL.), 144

LOWE, G. D. O., DRUMMOND, M. M., FORBES, C. D., and BARBENEL, J. C. Increased blood viscosity in young women using oral contraceptives, 840

LUTHER, E. R., ROUX, J., POPAT, R., GARDNER, A., GRAY, J., SOUBIRAN, E., and Korcaz, Y. The effect of estrogen priming on induction of labor with prostaglandins, 351

McCarthy, Thomas A. (see Ostergard and McCarthy), 401

McCoy, Michael J., Ellenberg, John F., and Killam, Allen P. Coccidioidomycosis complicating pregnancy, 739 (Comm. in

McCutchen, Mary E. (see Grimes, Hulka, and McCutchen), 785

MacDonald, C. P. (see Grosso et al.), 569
MacDonald, Hugh M. (see Mueller-Heubach et al.), 758

MACDONALD, PAUL C. (see SCHWARZ, MACDONALD, and JOHNSTON), 21 McDonell, C. F., Jr. Puerperal laparoscopic sterilization, 910 McGuire, Linda S., Guzinski, Gay M., and Holmes, King K. Psy-

chosexual functioning in symptomatic and asymptomatic women with and without signs of vaginitis, 600 MAHARRY, JAMES M. Carcinoma of the breast in a community hospital:

Who makes the diagnosis, 207

MALINAK, L. RUSSELL, BUTTRAM, VEASY C., JR., ELIAS, SHERMAN, and SIMPSON, JOE LEIGH. Heritable aspects of endometriosis. II. Clinical characteristics of familial endometriosis, 332

— (see Simpson et al.), 327
Marin, A. C., and Crisp, William E. A new indication for colposcopy: Predicting tumor response to chemotherapy, 862 (Comm. in

MAROON, JOSEPH C. (see ARCHER ET AL.), 646

MARTINEZ, DAVID A., and BARTON, JUDITH L. Estimation of fetal body and fetal head volumes: Description of technique and nomograms for 18 to 41 weeks of gestation, 78

MASON, EDWARD O., JR. (see YOW ET Al.), 34 MATHUR, R. S. (see WILLIAMSON ET AL.), 893

MATHUR, SUBBI (see WILLIAMSON ET AL.), 893

MATSUKI, AKITOMA (see OYAMA ET AL.), 613 MEIS, P. J. (see FISHBURNE ET AL.), 944

MELNICK, JOSEPH L. (see ADAM ET AL.), 827

MENDENHALL, ROBERT C. (see PEARSE and MENDENHALL), 320

MEREDITH, JANET L. (see POMERANCE, SCHIFRIN, and MEREDITH), 486

MERKATZ, IRWIN R. (see HACK ET AL.), 797

MIDDLETON, J. R., APUZZIO, J., LANGE, M., SEN, P., BONAMO, J., and LOURIA, D. B. Post—cesarean section endometritis: Causative organisms and risk factors, 144 (Comm. in brief)

MIESFELD, ROGER R., GIARRATANO, ROBERT C., and MOYERS, THOMAS G. Vaginal tubal ligation-Is infection a significant risk? 183

MILLER, JOSEPH M., JR., HILL, GALE B., WELT, SELMAN I., and PUPKIN, MARCOS J. Bacterial colonization of amniotic fluid in the presence of ruptures membranes, 451 MILLER, RICHARD L. For academia: A bill of particulars, 635 (Clinical

opinion)

MILLER, THEODORE R. (see STEPHENS ET AL.), 747 MILUNSKY, AUBREY (see ZEISEL, MILUNSKY, AND BLUSZTAJN), 481

MING, PEN-MING L. (see PARKER ET AL.), 656

MIYAKAWA, ISAO (see STANCZYK, MIYAKAWA, and GOEBELSMANN), 443

MOAWAD, ATEF H. (see LIN ET AL.), 553

MONIF, GILLES, R. G., THOMPSON, JOAN L., STEPHENS, HAZEL D., and BAER, HERMAN. Quantitative and qualitative effects of povidone-iodine liquid and gel on the aerobic and anaerobic flora of the female genital tract, 432

MONTI, JORGE A. (see Naves, Monti, and Chichoni), 136

MOSHIRPUR, JASMIN (see SCHER ET AL.), 769

MOYERS, THOMAS G. (see MIESFELD, GIARRATANO, and MOYERS), 183 MUELLER-HEUBACH, EBERHARD, MACDONALD, HUGH M., JORET, DALE, PORTMAN, MARY ANN, EDELSTONE, DANIEL I., and CARITIS, STEVE N. Effects of electronic fetal heart rate monitoring on

perinatal outcome and obstetric practices, 758

–, Myers, Ronald E., and Adamsons, Karlis. Fetal heart rate and blood pressure during prolonged partial asphyxia in the rhesus monkey, 48

MURAD, TARIO (see PARTRIDGE ET AL.), 412, 419

MYERS, RONALD E. (see MUELLER-HEUBACH, MYERS, and ADAMSONS), 48

NADLER, HENRY L. (see WALSH and NADLER), 978

NAEYE, RICHARD L. (see APPELBAUM ET Al.), 579

Najjar, Talib A. (see Wilchins et al.), 854 Naves, Ariel E., Monti, Jorge A., and Chichoni, Eduardo. Basal

cell-like carcinoma in the upper third of the vagina, 136 (Comm. in brief)

NAYEL, SAYED A. (see AMIN ET AL.), 831

NEDRUD, JOHN G. (see VESTERINEN ET AL.), 681 NETTLES, JOHN B. The physician and society: Individual and collective

relationships, 277 Newman, David M. (see Levy et al.), 701

NEZHAT, CAMRAN, ASCH, RICARDO H., and GREENBLATT, ROBERT B. Danazol for benign breast disease, 604

NICKERSON, K. G. (see BENEDET ET AL.), 254 NICOLA, KIM M. (see VAN GEIJN ET AL.), 43 NISHI, HIDEO (see GOTO, NISHI, and TOMODA), 707 NISWANDER, KENNETH R. (see HAESSLEIN AND NISWANDER), 245

NOSEK, JANET A. (see DEPP ET AL.), 338

Novy, Miles J. Reversal of Kroener fimbriectomy sterilization, 198 NUWAYHID, B. S., CABALUM, M. T., LIEB, S. M., ZUGAIB, M., BRINKMAN,

C. R., III, TABSH, K. M., and ASSALI, N. S. Hemodynamic effects of isoxsuprine and terbutaline in pregnant and non-pregnant sheep, 25 0

OBIEKWE, B. C. (see GRUDZINSKAS ET AL.), 866

O'BRIEN, W. F. (see CEFALO ET AL.), 53

O'LEARY, JAMES A., ANDRINOPOULOS, GEORGE C., and GIORDANO, PA-TRICIA C. Variable decelerations and the nonstress test: An indication of cord compromise, 704

ORGAN, L. W., BERNSTEIN, A., and HAWRYLYSHYN, P. A. The preejection period as an antepartum indicator of fetal well-being,

(see HAWRYLYSHYN, ORGAN, and BERNSTEIN), 801

ORRICK, LARRY R., and GOLDE, STEVEN H. Jra-mediated hemolytic disease of the newborn infant, 135 (Comm. in brief)

Ortiz, María-Elena (see Díaz, Ortiz, and Croxatto), 116 Ostergard, Donald R., and McCarthy, Thomas A. Diagnostic procedures in female urology, 401 (Clinical opinion)
Oyama, Tsutomu, Matsuki, Akitoma, Taneichi, Takeo, Ling,

NICHOLAS, and GUILLEMIN, ROGER. β-Endorphin in obstetric analgesia, 613 (Current investigation)

PAGANO, JOSEPH S. (see VESTERINEN ET AL.), 681

PARER, JULIAN T. (see CREASY ET AL.). 212

Parker, Renée, Ming, Pen-Ming L., Rajan, Renga, Goodner, David M., and Remé, Gerard. Clinical and cytogenetic studies of patients with polycystic ovary disease, 656

PARKER, ROY T. (see JELOVSEK ET AL.), 85

PARTRIDGE, EDWARD E., MURAD, TARIQ, SHINGLETON, HUGH M., AU-STIN, J. MAX, and HATCH, KENNETH D. Verrucous lesions of the female genitalia. I. Giant condylomata, 412

—, —, and —. Verrucous lesions of the genitalia. II. Ver-

rucous carcinoma, 419

PAUL, MARILYN S. (see BISSONNETTE ET AL.), 575 PAUL, RICHARD H. (see COTTON ET AL.), 687

— (see Druzin, Gratacos, and Paul), 746
Pearse, Warren H., and Mendenhall, Robert C. Manpower for obstetrics and gynecology. II. Characteristics of patients; their diagnoses and care, 320

PENDLEBURY, D. (see GRUDZINSKAS ET AL.), 866

PERKINS, ROBERT L. (see SPAGNA, PRIOR, and PERKINS), 595
PETERS, WILLIAM A., III, and THORNTON, W. NORMAN, JR. Selection of the primary operative procedure for stress urinary incontinence, 923

PETRES, R. E. (see KREBS ET AL.), 936

PHANSEY, SHAILA A. (see WILLIAMSON ET AL.), 893

PHERNETTON, TERRANCE M. (see Anderson, Phernetton, and Rankin), 735

PHILLIPPE, MARK (see FRIGOLETTO ET AL.), 521

PILLSBURY, S. GAINER, JR. Reproductive significance of changes in the endometrial cavity associated with exposure in utero to diethylstilbestrol, 178

POMERANCE, JEFFREY J., SCHIFRIN, BARRY S., and MEREDITH, JANET L. Womb rent, 486

POPAT, R. (see LUTHER ET AL.), 351 PORTMAN, MARY ANN (see MUELLER-HEUBACH ET AL.), 758

POWELL, J. ROGER (see SMITH and POWELL), 314

PRAPHAT, HORA, RUFFOLO, EUGENE H., COPELAND, WILLIAM J., RICHMAN, ALAN V., and CAVANAGH, DENIS. Carcinoma of the

cervix: A diagnostic problem, 514 (Comm. in brief) Prior, Richard B. (see Spagna, Prior, and Perkins), 595

PULLIAM, CHARLES C. (see HULKA ET AL.), 92

PULS, KATHERINE (see BARTON ET AL.), 377

PUPKIN, MARCOS J. (see MILLER ET AL.), 451

QUEENAN, JOHN T. (see RAO, WILLCOURT, and QUEENAN), 543 QUIGLEY, M. E., and YEN, S. S. C. Evidence for increased dopaminergic inhibition of secretion of thyroid-stimulating hormone in hyperprolactinemic patients with pituitary microadenoma, 653

Quilligan, E. J. (see Benedetti and Quilligan), 860
— (see Collea, Chein, and Quilligan), 234

- (see COTTON ET AL.), 687

RAFFERTY, TERENCE D. (see BERKOWITZ and RAFFERTY), 127

RAJAN, RENGA (see PARKER ET AL.), 656

RAJASHEKARAIAH, K. R. (see COOPERMAN, KASIM, and RAJASHEKARAIAH), 536

RAMWELL, P. W. (see CEFALO ET AL.), 53

RANKIN, JOHN H. G. (see ANDERSON, PHERNETTON, and RANKIN), 735 RAO, CH. V., WILLCOURT, ROBIN, and QUEENAN, JOHN T Lack of subhourly variations in plasma unconjugated estriol levels in pregnant diabetic patients in the third trimester, 543

RAYBURN, WILLIAM F., and WILSON, EMERY A. Coital activity and premature delivery, 972

RAYE, JOHN R., DUBIN, JOSEPH W., and BLECHNER, JACK N. Alterations in fetal metabolism subsequent to maternal morphine administration, 505

READ, JOHN A. (see COTTON ET AL.), 687

READ, PATRICIA A. (see BARTON ET AL.), 377
REEVES, KEITH O., and KAUFMAN, RAYMOND H. Vulvar ectopic breast tissue mimicking periclitoral abscess, 509 (Comm. in brief)
REJALI, LISA S. (see LEVY ET AL.), 701

REMÉ, GERARD (see PARKER ET AL.), 656

RESNIK, ROBERT, and BRINK, GARY W. Uterine vascular response to prostacyclin in nonpregnant sheep, 267 REYES, F. I. (see Blankstein et al.), 781

(see FUHEDA ET AL.), 962

RHYNE, A. L. (see FISHBURNE ET AL.), 944

RICHART, RALPH M., TOWNSEND, DUANE E., CRISP, WILLIAM, DEPET-RILLO, AMODIO, FERENCZY, ALEX, JOHNSON, GARY, LICKRISH, GORDON, ROY, MICHEL, and VILLA SANTA, UMBERTO. An analysis of "long-term" follow-up results in patients with cervical intraepithelial neoplasia treated by cryotherapy, 823

RICHMAN, ALAN V. (see PRAPHAT ET AL.), 514

RICHMOND, ISABELLE L. (see DOMINGUE, RICHMOND, and WILSON), 102 RIVER, PHILIP (see LIN ET AL.), 553

ROBERTS, JAMES M. (see CREASY ET AL.), 212

ROBERTSON, W. B. (See DE WOLF ET AL.), 58
ROBINSON, J. S., KINGSTON, E. J., and THORBURN, G. D. Increased fetal breathing activity after fetal hypophysectomy, 729
ROSEN, SAUL W., KAMINSKA, JANINA, CALVERT, IDA S., ELLMORE,

NELSON, and AARONSON, STUART A. Ectopic production of "pregnancy-specific" beta-1 glycoprotein in vitro: Discordance with three other placental proteins, 525 Rosenow, Philip J. (see Lin et al.), 553

ROSENSHEIN, NEIL B., GENADRY, RENE R., and WOODRUFF, J. DONALD. An anatomic classification of rectovaginal septal defects, 439

(see GRUMBINE ET AL.), 959 ROUX, J. (see LUTHER ET AL.), 351

ROVNER, SCOTT (see BARTON ET AL.), 377 ROY, MICHEL (see RICHART ET AL.), 823 RUBIO, C. A., BERGLUND, K., KOCK, Y., and ZETTERBERG, A. Studies on the distribution of abnormal cells in cytologic preparations. III. Making the smear with a plastic spatula, 843 RUFFOLO, EUGENE H. (see PRAPHAT ET AL.), 514

RYAN, GEORGE M., JR., and SWEENEY, PATRICK J. Attitudes of adolescents toward pregnancy and contraception, 358

—, —, and Solola, Abiodus S. Prenatal care and pregnancy out-

come, 876

RYAN, KENNETH J. (see FRIGOLETTO ET Al..), 521

SACK, ROBERT A. The effect of utilization on health care costs, 271

SALAZAR, HERNANDO (see ARCHER ET Al.), 646

SALEM, PHILIP A. (see ISSA ET AL.), 608

SANDBERG, EUGENE C., and CHRISTIAN, JOE C. Diethylstilbestrolexposed monozygotic twins discordant for cervicovaginal clear cell adenocarcinoma, 220

SCHELLHAS, HELMUT F. Extraperitoneal surgical approach to the pelvis after radiation therapy or radical surgery, 367

SCHENKEN, ROBERT S., HAYASHI, ROBERT H., VALENZUELA, GUILLERMO

V., and Castillo, Maria S. Treatment of premature labor with beta sympathomimetics: Results with isoxsuprine, 773 SCHER, JONATHAN, JENG, DAI-YUN, MOSHIRPUR, JASMIN, and KERENYI, THOMAS D. A comparison between vaginal prostaglandin E<sub>2</sub> suppositories and intrauterine extra-amniotic prostaglandins in the management of fetal death in utero, 769

Schiffrin, Barry S. (see Pomerance, Schiffrin, and Meredith), 486 Schinfeld, Jay S., and Winston, Herbert G. Primary tubal carcinoma in pregnancy, 512 (Comm. in brief)

SCHLEPPHORST, ERIC, KELLEY, LUCKY K., and SMITH, CARL H. Placental amino acid uptake. V. Relationship to placental maturation in the rat, 499

SCHMIDT-GOLLWITZER, K., SCHUESSLER, B., ELGER, W., and SCHMIDT-GOLLWITZER, M. Improvement in artificial second-trimester abortion with a new tissue-selective prostaglandin E2 derivative, 867 (Comm. in brief)
SCHMIDT-GOLLWITZER, M. (see SCHMIDT-GOLLWITZER ET AL.), 867

SCHUESSLER, B. (see SCHMIDT-GOLLWITZER ET AL.), 867

SCHWARZ, BARRY E., MACDONALD, PAUL C., and JOHNSTON, JOHN M. Initiation of human parturition. XI. Lysosomal enzyme release in vitro from amnions obtained from laboring and nonlaboring women, 21 SEGRETI, A. (see KREBS ET AL.), 936

SEN, P. (see MIDDLETON ET AL.), 144

SHAIKH, ABUBAKAR A., SHAIKH, SHAMIM A., and CASTRACANE, V. Daniel. Pharmacologic induction of luteolysis in cynomolgus monkeys (Macaca fascicularis), 672

SHAIKH, SHAMIM A. (see SHAIKH, SHAIKH, and CASTRACANE), 672

SHINGLETON, HUGH M. (see HATCH ET AL.), 122 - (see Lawrence and Shingleton), 661

(see PARTRIDGE ET AL.), 412, 419

Shulman, Gerald (see Appelbaum et al.), 579
Shulman, Leon J. An address, 155
Shy, Kirkwood K., Frost, Floyd, and Ullom, Jean. Out-of-hospital delivery in Washington State, 1975 to 1977, 547

SIA, CONCEPCION G. (see HARPER ET AL.), 617

SIMON, NICOLAS V. (500 APPELBAUM ET AL.), 579
SIMPSON, JOE LEIGH, ELIAS, SHERMAN, MALINAK, L. RUSSELL, and BUTTRAM, VEASY C., Jr. Heritable aspects of endometriosis. I. Genetic studies, 327

(see MALINAK ET AL.), 332

SINGSON, ELISEA, FISHER, KENNETH F., and LINDHEIMER, MARSHALL D. Acute poststreptococcal glomerulonephritis in pregnancy

Case report with an 18-year follow-up, 857 (Comm. in brief)
SMITH, CARL H. (see Schlepphorst, Kelley, and SMITH), 499
SMITH, ROGER P., and POWELL, J. ROGER. The objective evaluation of dysmenorrhea therapy, 314

SOKAL, MYRON M. (see KATZ AND SOKAL), 30

SOLOLA, ABIODUN S. (see RYAN, SWEENEY, and SOLOLA), 876 SOMELL, CHRISTINA (see Is aksson et al.), 470

SOUBIRAN, E. (see LUTHER ET AL.), 351

SPADONI, LEON R. Tubal and peritubal surgery without magnification: An analysis, 189

SPAGNA, VINCENT A., PRIOR, RICHARD B., and PERKINS, ROBERT L. Rapid presumptive diagnosis of gonococcal cervicitis by the limulus lysate assay, 595

SPELLACY, WILLIAM N., KALRA, PUSHPA S., BUHI, WILLIAM C., and BIRK, SHARON A. Pituitary and ovarian responsiveness to a graded gonadotropin releasing factor stimulation test in women using low-estrogen or a regular type of oral contraceptive, 109

- (see GELMAN ET AL.), 459

STANCZYK, FRANK Z., MIYAKAWA, ISAO, and GOEBELSMANN, UWE. Direct radioimmunoassay of urinary estrogen and pregnanediol glucuronides during the menstrual cycle, 443

STANICH, B. M. (see Young et al.), 284

STEIN, DANIEL S. Transmissible venereal neoplasia: A case report, 864 STEINMAN, MARY E. (see EDWARDS ET AL.), 583

STEPHENS, HAZEL D. (see MONIF ET AL.), 432

STEPHENS, JOHN D., GOLBUS, MITCHELL S., MILLER, THEODORE R., WILBER, RICHARD R., and EPSTEIN, CHARLES J. Multiple congenital anomalies in a fetus exposed to 5-fluorouracil during the first trimester, 747 (Comm. in brief) STERN, DANIEL (see HARPER ET AL.), 617

STERN, J. (see Buscema, Stern, and Woodruff), 902

STONE, MARTIN L. Obstetrics and gynecology: Doing better-feeling worse, 309

Swain, M. F. (see Fishburne et al.), 944 Sweeney, Patrick J. (see Ryan and Sweeney), 358

- (see RYAN, SWEENEY, and SOLOLA), 876

TABSH, K. M. (see NUWAYHID ET AL.), 25 TANEICHI, TAKEO (see OYAMA ET AL.), 613

TARZY, BRUCE (see KAPLAN, BENIRSCHKE, and TARZY), 858

TEASDALE, FRANCOIS. Gestational changes in the functional structure of the human placenta in relation of fetal growth: A morphometric study, 560

THOMASSON, J. E. (see GROSSO ET AL.), 569

THOMPSON, JOAN L. (see MONIF ET AL.), 432

THOMPSON, PETER K. (see YOW ET AL.), 34

THORBURN, G. D. (see Robinson, Kingston, and Thorburn), 729 THORNTON, W. NORMAN, JR. (see Peters and Thornton), 923 TOMODA, YUTAKA (see GOTO, NISHI, and TOMODA), 707

TOWNSEND, DUANE E. (see RICHART ET AL.), 823

Trope, Claes G., Lögdberg, Lennart, and Johnsson, John E. β<sub>2</sub>microglobulin: A tumor marker of gynecologic cancer, 743 (Comm. in brief)

TRUDINGER, BRIAN J., and KNIGHT, PAUL C. Fetal age and patterns of human fetal breathing movement, 724

TUIMALA, RISTO (see KAUPPILA ET AL.), 462

TURKO, M. (see BENEDET ET AL.), 254

ULLOM, JEAN (see SHY, FROST, and ULLOM), 547 ULMSTEN, ULF (see IOSIF, INGEMARSSON, and ULMSTEN), 696 URBAN, R. B. (see FISHBURNE ET AL.), 944

VAGO, T., and CHAVKIN, J. Extramembranous pregnancy: An unusual complication of amniocentesis, 511 (Comm. in brief) VALENZUELA, GUILLERMO V. (see SCHENKEN ET AL.), 773

VALLE, RAFAEL F. Hysteroscopy in the evaluation of female infertility,

VAN GEIJN, HERMAN P., KAYLOR, WILLIAM M., JR., NICOLA, KIM M., and ZUSPAN, FREDERICK P. Induction of severe intrauterine growth retardation in the Sprague-Dawley rat, 43 Van Petten, Garry R. (see Zink and Van Petten), 71

VAUGHN, THOMAS C., WIEBE, R. HERBERT, and HAMMOND, CHARLES B. Postpartum hypopituitarism and hyperprolactinemia, 749 (Comm. in brief)

VESTERINEN, ERVO H., CARSON, JOHN, WALTON, LESLIE A., COLLIER, ALBERT M., KESKI-OHA, JORMA, NEDRUD, JOHN G., and PAGANO, JOSEPH S. Human ectocervical and endocervical epithelial cells in culture: A comparative ultrastructural study,

VILLA SANTA, UMBERTO (see RICHART ET AL.), 823

WALSH, M. M. J., and NADLER, HENRY L. Methylumbelliferylguanidinobenzoate-reactive proteases in human amniotic fluid: Promising marker for the intrauterine detection of cystic fibrosis,

WALTON, LESLIE A. (see VESTERINEN ET AL.), 681

Webb, Bette J. (see Baker et al.), 39
Webb, Gilbert A. The use of hyperalimentation and chemotherapy in pregnancy: A case report, 263
Welt, Selman I. (see Miller et al.), 451

WENZEL, RICHARD P. (see DONOWITZ and WENZEL), 467

WHEELER, A. S. (see FISHBURNE ET AL.), 944

Wiebe, R. Herbert (see Vaughn, Wiebe, and Hammond), 749
Wiegenstein, Louise, and Iozzo, Renato V. Unusual findings in a
conjoined ("Siamese") twin placenta, 744 (Comm. in brief) WILBER, RICHARD R. (see STEPHENS ET AL.), 747

WILCHINS, SIDNEY A., LEVY, MARTIN, HRYCAK, PATER, and NAJJAR, TALIB A. A model for thermal monitoring in cryosurgery, 854

WILLCOURT, ROBIN (see RAO, WILLCOURT, and QUEENAN), 543
WILLIAMSON, H. OLIVER, PHANSEY, SHAILA A., MATHUR, SUBBI,
MATHUR, R. S., BAKER, ELIZABETH R., and FUDENBERG, H. H. Myasthenia gravis, premature menopause, and thyroid autoimmunity, 893

WILSON, CHARLES B. (see DOMINGUE, RICHMOND, and WILSON), 102 WILSON, EMERY A. (see RAYBURN AND WILSON), 972

WILSON, KATHLEEN H. (see LAUERSEN, CEDERQVIST, and WILSON), 753

WINSTON, HERBERT G. (see SCHINFELD and WINSTON), 512

WINTER, J. S. D. (see BLANKSTEIN ET AL.), 781

WOLNIK, L. Colpophotography with a large-format camera, 141 (Comm. in brief) WOOD, SELAM (see GELMAN ET AL.), 459

WOODARD, BRETT H. (see JELOVSEK ET AL.), 85

WOODRUFF, J. D. (see Buscema, Stern, and Woodruff), 902

- (see Rosenshein, Genadry, and Woodruff), 439

YASEEN, S. (see EL-MAHGOUB and YASEEN), 137

YEN, S. S. C. (see Quigley and YEN), 653

YOUNG, P. C. M., KEEN, F. K., EINHORN, L. H., STANICH, B. M., EHRLICH, C. E., and CLEARY, R. E. Binding of medroxyprogesterone acetate in human breast cancer, 284

Younger, Benjamin (see Hatch et al.), 122

Yow, Martha D., Leeds, Leroy J., Thompson, Peter K., Mason, EDWARD O., JR., CLARK, DOROTHY J., and BEACHLER, CRAIG W. The natural history of group B streptococcal colonization in the pregnant woman and her offspring. I. Colonization studies, 34

- (see BAKER ET AL.), 39

Z

ZEISEL, STEVEN H., MILUNSKY, AUBREY, and BLUSZTAJN, JAN K. Prenatal diagnosis of neural tube defects. V. The value of amniotic fluid cholinesterase studies, 481

ZERVOUDAKIS, IOANNIS A., KRAUSS, ALFRED, and FUCHS, FRITZ, with the ZERVOUDANIS, IDANNIS AL, RAUSS, ALFRED, and FUCHS, FRITZ, with the technical assistance of KATHLEEN H. WILSON. Infants of mothers treated with ethanol for premature labor, 713

ZETTERBERG, A. (see Rubto et al.), 843

ZINK, Joe, and VAN PETTEN, GARRY R. The effect of norepinephrine on blood flow theory by the part of the second of the se

blood flow through the fetal liver and ductus venosus, 71

ZUGAIB, M. (see NUWAYHID ET AL.), 25 ZUSPAN, FREDERICK P. (see VAN GEIJN ET AL.), 43

## Subject index\*

A

Abdominal surgical procedures, incidence of, in population undergoing abortion (King, Atienza, and Burkman), 530

Abortion, artificial second-trimester, improvement in, with new tissueselective prostaglandin  ${\bf E}_2$  derivative (Schmidt-Gollwitzer et al.), 867 (Comm. in brief)

incidence of abdominal surgical procedures in population undergoing (King, Atienza, and Burkman), 530

midtrimester, by dilatation and evacuation versus intra-amniotic instillation of prostaglandin F20: Randomized clinical trial (Grimes, Hulka, and McCutchen), 785 spontaneous, increased incidence of renal stones in women with:

Retrospective study (Honoré), 145 (Comm. in brief)

Abscess, periclitoral, vulvar ectopic breast tissue mimicking (Reeves and Kaufman), 509 (Comm. in brief)

Academia, for: Bill of particulars (Miller), 635 (Clinical opinion) Acid(s)-base characteristics of fetuses with intrauterine growth retardation during labor and delivery (Lin et al.), 553

bile, serum concentration of, in maternal blood and cord blood at parturition (Demers and Darnell Jones), 146 (Comm. in brief)

Address, an (Shulman), 155

Adenocarcinoma, cervicovaginal clear cell, diethylstilbestrol-exposed monozygotic twins discordant for (Sandberg and Christian),

Adenomas, prolactin-secreting pituitary, results of surgery in 114 patients with (Domingue, Richmond, and Wilson), 102

Serum and tissue prolactin levels with ultrastructural correlation (Archer et al.), 646 Adolescent(s), attitudes of, toward pregnancy and contraception (Ryan

and Sweeney), 358 contraceptive use: Experience in 1,762 teenagers (Edwards et al.), 583

Adrenal cortical function, comparative study of effect of oral contraceptives containing 50 µg of estrogen and those containing 20 µg of estrogen on (Amin et al.), 831

gland, anencephalic, morphologic features of, in early pregnancy

(Gray and Abramovich), 491 pituitary-, function in women treated with low doses of prednisone (Fujieda et al.), 962

Aerobic and anaerobic flora of female genital tract, quantitative and qualitative effects of povidone-iodine liquid and gel on (Monif et al.), 432

Age, fetal, and patterns of human fetal breathing movements (Trudinger and Knight), 724

Amino acid uptake, placental. V. Relationship to placental maturation in rat (Schlepphorst, Kelley, and Smith), 499

Amniocentesis, avoiding iatrogenic prematurity with elective repeat cesarean section without routine use of (Frigoletto et al.),

unusual complication of: Extramembranous pregnancy (Vago and Chavkin), 511 (Comm. in brief)

Amnions obtained from laboring and nonlaboring women, lysosomal enzyme release in vitro from, XI. Initiation of human parturition (Schwarz, MacDonald, and Johnston), 21

Amniotic, extra-, prostaglandins, intrauterine, vaginal prostaglandin E2 suppositories and, comparison between, in management of fetal death in utero (Scher et al.), 769

fluid(s), amniotic membranes, and endometrial biopsy cultures, clinical significance, at time of cesarean section (Cooperman, Kasim, and Rajashekaraiah), 536

bacterial colonization of, in presence of ruptured membranes (Miller et al.), 451

cholinesterase studies, value of, V. Prenatal diagnosis of neural tube defects (Zeisel, Milunsky, and Blusztajn), 481 cortisol, 11-desoxycortisol, and 21-desoxycortisol concentrations

in, during normal pregnancy (Blankstein et al.), 781

from two United States population groups, studies on growthinhibiting property of (Appelbaum et al.), 579

Amniotic fluid-Cont'd

human, methylumbelliferylguanidinobenzoate-reactive proteases in: Promising marker for intrauterine detection of cystic fibrosis (Walsh and Nadler), 978

optical density at 450 mµ, changes in, in Rh-sensitized patients after maternal hydrocortisone treatment (Anderson and Cordero), 820

intra-, instillation of prostaglandin  $F_{2}$  $\alpha$ , dilatation and evacuation versus, midtrimester abortion by: Randomized clinical trial (Grimes, Hulka, and McCutchen), 785

Anaerobic flora, aerobic and, of female genital tract, quantitative and qualitative effects of povidone-iodine liquid and gel on (Monif et al.), 432

Analgesia, obstetric, β-endorphin in (Oyama et al.), 613 (Current in-

Anatomic classification of rectovaginal septal defects (Rosenshein, Genadry, and Woodruff), 439

Anencephalic adrenal gland, morphologic features of, in early pregnancy (Gray and Abramovich), 491 Anesthesia, obstetric, language barrier in (DeVore and Koskela), 745

(Comm. in brief) Anomalies, multiple congenital, in fetus exposed to 5-fluorouracil dur-

ing first trimester (Stephens et al.), 747 (Comm. in brief) Antenatal corticosteroids to prevent neonatal respiratory distress syn-

drome: Risk versus benefit considerations (Depp et al.), 338 Antepartum fetal heart rate testing, prospective, clinical implications of (Devoe), 983

VI. Predictive reliability of "normal" tests in prevention of antepartum death (Druzin, Gratacos, and Paul), 746 (Comm. in brief)

indicator of fetal well-being, pre-ejection period as (Organ, Bern-

stein, and Hawrylyshyn), 810
Antibody (antibodies), irregular—Continuing problem (Griffith), 174
serum, to capsular polysaccharide from type III, group B Streptococcus, determination of, II. Natural history of group B streptococcal colonization in pregnant woman and her offspring (Baker et al.), 39

Apnea, effect of oxygen and of carbon dioxide tension on incidence of, in fetal lambs (Bissonnette et al.), 575

Arteries, spiral, electron microscopic study of trophoblastic invasion of: Human placental bed (De Wolf et al.), 58

Asphyxia, prolonged partial, fetal heart rate and blood pressure during, in rhesus monkey (Mueller-Heubach, Myers, and Adamsons), 48

Assault, sexual: Rape (Hicks), 931

Assay, limulus lysate, rapid presumptive diagnosis of gonococcal cervicitis by (Spagna, Prior, and Perkins), 595

Autoimmunity, thyroid, myasthenia gravis, and premature menopause (Williamson et al.), 893

Bacterial colonization of amniotic fluid in presence of ruptured membranes (Miller et al.), 451

Ball methods, Thoms and modified, comparison of, with manual pelvimetry: Evaluation of usefulness of x-ray pelvimetry (Fine, Bracken, and Berkowitz), 15

Basal cell-like carcinoma in upper third of vagina (Naves, Monti, and Chichoni), 136 (Comm. in brief)

Bile acids, serum concentration of, in maternal blood and cord blood at parturition (Demers and Darnell Jones), 146 (Comm. in

Binding of medroxyprogesterone acetate in human breast cancer (Young et al.), 284

substance, human placental lactogen-, qualitative detection of, by radioassay (Heal and Gluck), 975

Biopsy, cone: Outpatient procedure (Berkus and Daly), 953

treatment of cervical intraepithelial neoplasia by (Jones and Buller), 882

Biopsy-Cont'd

cultures, endometrial, amniotic fluid, and amniotic membranes, clinical significance of, at time of cesarean section (Cooperman, Kasim, and Rajashekaraiah), 536

Birth-weight, very-low-, infants, changing trends of neonatal and postneonatal deaths in (Hack et al.), 797

Birthing center, alternative: Experience in teaching obstetric service (Barton et al.), 377

Blood flow through fetal liver and ductus venosus, effect of norepi-nephriae on (Zink and Van Petten), 71 group Rh-D factor in human trophoblast determined by immu-

nofluorescent method (Goto, Nishi, and Tornoda), 707

maternal, and cord blood, serum concentration of bile acids in, at parturition (Demers and Darnell Jones), 146 (Comm. in

pressure, fetal heart rate and, during prolonged partial asphyxia in rhesus monkey (Mueller-Heubach, Myers, and Adamsons),

viscosity, increased, in young women using oral contraceptives (Lowe et al.), 840

Body, fetal, and fetal head volumes, estimation of: Description of technique and nomograms for 18 to 41 weeks of gestation (Martinez and Barton), 78

Books received, 276, 752

Breast cancer, human, binding of medroxyprogesterone acetate in (Young et al.), 284
carcinoma of, in community hospital: Who makes diagnosis?

(Maharry), 207

disease, benign, danazol for (Nezhat, Asch, and Greenblatt), 604 tissue, vulvar ectopic, mimicking periclitoral abscess (Reeves and Kaufman), 509 (Comm. in brief)

Breathing activity, increased fetal, after fetal hypophysectomy (Robinson, Kingston, and Thorburn), 729

movements, human fetal, fetal age and (Trudinger and Knight), 724 Breech delivery in twenty years of practice (Graves), 229 presentation, term frank, randomized management of: Study of 208

cases (Collea, Chein, and Quilligan), 235

## C

Camera, large-format, colphotography with (Wolnik), 141 (Comm. in brief)

Cancer, cervical, radical hysterectomy in treatment of (Benedet et al.), 254

endometrial, estrogen and: Cases and two control groups from North Carolina (Hulka et al.), 92

risk of exogenous estrogen therapy and (Jelovsek et al.), 85 gynecologic, tumor marker of:  $\beta_3$ -microglobulin (Trope, Lögdberg, and Johnsson), 743 (Comm. in brief)

human breast, binding of medroxyprogesterone acetate in (Young et al.), 284

Carbon dioxide tension, effect of oxygen and of, on incidence of apnea in fetal lambs (Bissonnette et al.), 575

Carcinoma, basal cell-like, in upper third of vagina (Naves, Monti, and Chichoni), 136 (Comm. in brief)

of breast in community hospital: Who makes diagnosis? (Maharry), 207

of cervix: Diagnostic problem (Praphat et al.), 514 (Comm. in brief) invasive vulvar, significance of histologic alterations adjacent to (Buscema, Stern, and Woodruff), 902

primary tubal, in pregnancy (Schinfeld and Winston), 512 (Comm. in brief)

verrucous, II. Verrucous lesions of female genitalia (Partridge et al.),

Catheterization, Swan-Ganz, role of: Invasive hemodynamic monitoring in critically ill pregnant patients (Berkowitz and Raf-ferty), 127 (Current developments)

Cefamandole therapy, high-dose, in obstetric and gynecologic in-fections (Gall and Hill), 914

Cell(s), abnormal, studies on distribution of, in cytologic preparations. III. Making smear with plastic spatula (Rubio et al.), 843

adenocarcinoma, cervicovaginal clear, diethylstilbestrol-exposed monozygotic twins discordant for (Sandberg and Christian),

basal, -like carcinoma in upper third of vagina (Naves, Monti, and Chichoni), 136 (Comm. in brief)

human ectocervical and endocervical epithelial, in culture: Com-parative ultrastructural study (Vesterinen et al.), 681

Central Association of Obstetricians and Gynecologists, transactions, forty-seventh annual meeting, 277-391

Cerebral edema in severe pregnancy-induced hypertension (Benedetti and Quilligan), 860 (Comm. in brief)

Cervical cancer, radical hysterectomy in treatment of (Benedet et al.),

ectopy and cervicovaginal hood: Natural history of diethylstilbes trol-associated genital tract lesions (Antonioli, Burke, and Friedman), 847

intraepithelial neoplasia treated by cryotherapy, analysis of "long-term" follow-up results in patients with (Richart et al.), 823 treatment of, by cone biopsy (Jones and Buller), 882

neoplasia, diagnostic value of colposcopy in investigation of (Javaheri and Fejgin), 588

(trans-) flushing of uterus, recovery of ova by, time interval between luteinizing hormone peak and, in normal women, III. Studies on duration of ovum transport by human oviduct (Díaz, Ortiz, and Croxatto), 116

Cervicitis, gonococcal, rapid presumptive diagnosis of, by limulus ly-

sate assay (Spagna, Prior, and Perkins), 595 Cervicovaginal clear cell adenocarcinoma, diethylstilbestrol-exposed monozygotic twins discordant for (Sandberg and Christian), 220

hood, cervical ectopy and: Natural history of diethylstilbestrolassociated genital tract lesions (Antonioli, Burke, and Friedman), 847

Cervix, carcinoma of: Diagnostic problem (Praphat et al.), 514 (Comm.

early physiologic squamous metaplasia of: Light and electron microscopic observations (Lawrence and Shingleton), 661 Cesarean hysterectomy, sterilization by (Britton), 887

section, clinical significance of amniotic fluid, amniotic membranes, and endometrial biopsy cultures at time of (Cooperman,

Kasim, and Rajashekaraiah), 536 elective repeat, avoiding iatrogenic prematurity with, without routine use of amniocentesis (Frigoletto et al.), 521

endometritis following (Donowitz and Wenzel), 467 post-, endometritis: Causative organisms and risk factors (Middle-

ton et al.), 144 (Comm. in brief) uteroabdominal sinus following (Dessouky and Bolan), 147 (Comm. in brief)

Chemotherapy, hyperalimentation and, use of, in pregnancy: Case report (Webb), 263

predicting tumor response to: New indication for colposcopy (Marin and Crisp), 862 Cholinesterase studies, amniotic fluid, value of, V. Prenatal diagnosis

of neural tube defects (Zeisel, Milunsky, and Blusztajn), 481 Chorea associated with oral contraceptive therapy (Dove), 740 (Comm.

Chorionic gonadotropin, human, elevated titers of beta subunit of, in oophorectomized women being treated for trophoblastic disease (Hatch et al.), 122

Cigarette-smoking mothers, fetal growth retardation in, is not due to decreased maternal food intake (Haworth et al.), 719

Clear cell adenocarcinoma, cervicovaginal, diethylstilbestrol-exposed monozygotic twins discordant for (Sandberg and Christian),

Clinical opinion, 1-7, 401-411, 635-637, 753-757

Coccidioidomycosis complicating pregnancy (McCoy, Ellenberg, and Killam), 739 (Comm. in brief)

Coelomic metaplasia, positive proof for theory of (El-Mahgoub and Yaseen), 137 (Comm. in brief) Coital activity and premature delivery (Rayburn and Wilson), 972

Colonization, bacterial, of amniotic fluid in presence of ruptured membranes (Miller et al.), 451

group B streptococcal, natural history of, in pregnant woman and her offspring. I. Colonization studies (Yow et al.), 34

II. Determination of serum antibody to capsular polysaccharide from type III, group B Streptococcus (Baker et al.),

vaginal, with invasive Escherichia coli during pregnancy (Amstey, Lewin, and Colaice), 534

Colphotography with large-format camera (Wolnik), 141 (Comm. in brief)

Colposcopy, diagnostic value of, in investigation of cervical neoplasia (Javaheri and Fejgin), 588

new indication for: Predicting tumor response to chemotherapy (Marin and Crisp), 862

- Communications in brief, 135-148, 509-516, 739-751, 857-868
- Community hospital, carcinoma of breast in: Who makes diagnosis? (Maharry), 207
- Computer technique, new, for continuous measurement of preejection period in human fetus: Physiologic significance of pre-ejection period patterns (Hawrylyshyn, Organ, and Bernstein), 801
- Condylomata, giant, I. Verrucous lesions of female genitalia (Partridge et al.), 412
- Cone biopsy: Outpatient procedure (Berkus and Daly), 953
- treatment of cervical intraepithelial neoplasia by (Jones and Buller), 882
- Congenital anomalies, multiple, in fetus exposed to 5-fluorouracil dur-
- ing first trimester (Stephens et al.), 747 (Comm. in brief) Conjoined ("Siamese") twin placenta, unusual findings in (Wiegenstein and Iozzo), 744 (Comm. in brief)
- twins, xiphopagus: 300-year review of obstetric, morphopathologic, neonatal, and surgical parameters (Harper et al.), 617 (Current developments)
- Contraception, pregnancy and, attitudes of adolescents toward (Ryan and Sweeney), 358
- Contraceptive(s), oral, containing 50 µg of estrogen and those containing 20 µg of estrogen, comparative study of effect of, on adrenal cortical function (Amin et al.), 831
  - increased blood viscosity in young women using (Lowe et al.), 840 low-estrogen or regular type of, pituitary and ovarian responsive-ness to graded gonadotropin releasing factor stimulation test in women using (Spellacy et al.), 109
- therapy, oral, chorea associated with (Dove), 740 (Comm. in brief)
- use, adolescent: Experience in 1,762 teenagers (Edwards et al.), 583 Cord blood, maternal blood and, serum concentration of bile acids in. at parturition (Demers and Darnell Jones), 146 (Comm. in
- compromise, indication of: Variable decelerations and nonstress test
- (O'Leary, Andrinopoulos, and Giordano), 704 Correspondence, 149-152, 517-520, 630-631, 869-870
- Cortical function, adrenal, comparative study of effect of oral contraceptives containing 50 µg of estrogen and those containing 20 µg of estrogen on (Amin et al.), 831
- Corticosteroids, antenatal, to prevent neonatal respiratory distress syndrome: Risk versus benefit considerations (Depp et al.), 338
- Cortisol, 11-desoxycortisol, and 21-desoxycortisol concentrations in amniotic fluid during normal pregnancy (Blankstein et al.),
- Costs, health care, effect of utilization on (Sack), 271 Cryosurgery, model for thermal monitoring in (Wilchins et al.), 854 Cryotherapy, analysis of "long-term" follow-up results in patients with cervical intraepithelial neoplasia treated by (Richart et al.),
- Culture(s), endometrial biopsy, amniotic fluid, and amniotic membranes, clinical significance of, at time of cesarean section
- (Cooperman, Kasim, and Rajashekaraiah), 536 human ectocervical and endocervical epithelial cells in: Comparative ultrastructural study (Vesterinen et al.), 681
- Current developments, 127-134, 617-629
- investigation, 613-616
- Cystic fibrosis, promising marker for intrauterine detection of: Methylumbelliferylgunaidinobenzoate-reactive proteases in human amniotic fluid (Walsh and Nadler), 978
- Cytogenetic studies, clinical and, of patients with polycystic ovary disease (Parker et al.), 656
- Cytologic preparations, studies on distribution of abnormal cells in. III. Making smear with plastic spatula (Rubio et al.), 843

- Danazol for benign breast disease (Nezhat, Asch, and Greenblatt), 604 Death(s), antepartum, predictive reliability of "normal" tests in prevention of, VI. Antepartum fetal heart rate testing (Druzin, Gratacos, and Paul), 746 (Comm. in brief) fetal, intravenous prostaglandin E2 and 16-phenoxy prostaglandin
  - E2 methyl sulfonylamide for induction of, in utero (Gruber and Baumgarten), 8
  - in utero, comparison between vaginal prostaglandin E2 suppositories and intrauterine extra-amniotic prostaglandin in management of (Scher et al.), 769
  - intrauterine fetal, management of, with prostaglandin E2 vaginal suppositories (Lauersen, Cederqvist, and Wilson). 753 (Clinical opinion)

- Death(s)-Cont'd
- maternal, secondary to disseminated herpesvirus hominis (Kobbermann, Clark, and Griffin), 742 (Comm. in brief)
- neonatal and postneonatal, changing trends of, in very-low-birth-weight infants (Hack et al.), 797
- Decelerations, variable, and nonstress test: Indication of cord compromise (O'Leary, Andrinopoulos, and Giordano), 704
- Delivery, breech, in twenty years of practice (Graves), 229 labor and, acid-base characteristics of fetuses with intrauterine growth retardation during (Lin et al.), 553
- out-of-hospital, in Washington State, 1975 to 1977 (Shy, Frost, and Ullom), 547
- premature, coital activity and (Rayburn and Wilson), 972
- Desensitization therapy, hypnotic, of vaginismus by (Fuchs), 1 (Clinical opinion)
- Desoxycortisol, 11-, 21-desoxycortisol, and cortisol concentrations in amniotic fluid during normal pregnancy (Blankstein et al.), 781
- Diabetic patients, pregnant, lack of subhourly variations in plasma unconjugated estriol levels in, in third trimester (Rao, Wilcourt, and Queenan), 543
- Diethylstilbestrol-associated genital tract lesions, natural history of: Cervical ectopy and cervicovaginal hood (Antonioli, Burke,
- and Friedman), 847 -exposed monozygotic twins discordant for cervicovaginal clear cell adenocarcinoma (Sandberg and Christian), 220
- reproductive significance of changes in endometrial cavity associated with exposure in utero to (Pillsbury), 178
- upper genital tract changes and pregnancy outcome in offspring exposed in utero to (Kaufman et al.), 299
- Dilatation and evacuation versus intra-amniotic instillation of prostaglandin F20, midtrimester abortion by: Randomized clinical trial (Grimes, Hulka, and McCutchen), 785
- Disease, benign breast, danazol for (Nezhat, Asch, and Greenblatt), 604
- Jra-mediated hemolytic, of newborn infant (Orrick and Golde), 135 (Comm. in brief)
- polycystic ovary, clinical and cytogenetic studies of patients with (Parker et al.), 656
- trophoblastic, elevated titers of beta subunit of human chorionic gonadotropin in oophorectomized women being treated for (Hatch et al.), 122
- Distress, fetal, in term pregnancies (Haesslein and Niswander), 245 syndrome, neonatal respiratory, antenatal corticosteroids to prevent: Risk versus benefit considerations (Depp et al.), 338
  - respiratory, and maternal hypertension, relationship of newborn serum prolactin levels to (Grosso et al.), 569
- Dobutamine and dopamine, vascular and uterine responses to, in gravid ewe (Fishburne et al.), 944
  Dopamine, dobutamine and, vascular and uterine responses to, in
- gravid ewe (Fishburne et al.), 944 Dopaminergic inhibition of secretion of thyroid-stimulating hormone, evidence for, in hyperprolactinemic patients with pituitary microadenoma (Quigley and Yen), 653
- Drug concentrations, fetal, prediction of (Anderson, Phernetton, and Rankin), 735
- Ductus venosus, fetal liver and, effect of norepinephrine on blood flow through (Zink and Van Petten), 71
- Dysmenorrhea therapy, objective evaluation of (Smith and Powell), 314

## E

- Ectocervical and endocervical epithelial cells, human, in culture: Com-
- parative ultrastructural study (Vesterinen et al.), 681 Ectopic breast tissue, vulvar, mimicking periclitoral abscess (Reeves and Kaufman), 509 (Comm. in brief)
- production of "pregnancy-specific" beta-1 glycoprotein in vitro: Discordance with three other placental proteins (Rosen et al.),
- 595 Ectopy, cervical, and cervicovaginal hood: Natural history of diethylstilbestrol-associated genital tract lesions (Antonioli, Burke,
- and Friedman), 847 Edema, cerebral, in severe pregnancy-induced hypertension (Bene-
- detti and Quilligan), 850 (Comm. in brief) Electron microscopic observations, light and: Early physiologic squa-mous metaplasia of cervix (Lawrence and Shingleton), 661 study of trophoblastic invasion of spiral arteries: Human placental bed (De Wolf et al.), 58

Electronic fetal heart rate monitoring, effects of, on perinatal outcome

and obstetric practices (Mueller-Heubach et al.), 758 Endocervical epithelial cells, human ectocervical and, in culture: Comparative ultrastructural study (Vesterinen et al.), 681

Endometrial biopsy cultures, amniotic fluid, and amniotic membranes, clinical significance of, at time of cesarean section (Cooper-

man, Kasim, and Rajashekaraiah), 536 cancer, estrogen and: Cases and two control groups from North Carolina (Hulka et al.), 92

risk of exogenous estrogen therapy and (Jelovsek et al.), 85 cavity, reproductive significance of changes in, associated with exposure in utero to diethylstilbestrol (Pillsbury), 178

Endometriosis, heritable aspects of. I. Genetic studies (Simpson et al.), 397

II. Clinical characteristics of familial endometriosis (Malinak et

Endometritis following cesarean section (Donowitz and Wenzel), 467 post-cesarean section: Causative organisms and risk factors (Middleton et al.), 144 (Comm. in brief)

Endorphin,  $\beta$ -, in obstetric analgesia (Oyama et al.), 613 (Current investigation)

Endotoxemia, role of prostaglandins in: Comparisons in response in nonpregnant, maternal, and fetal models. I. Prostaglandins and pulmonary effect of experimental endotoxemia (Cefalo et al.), 53

Environmental pollution and pregnancy: Risks and uncertainties for fetus and infant (Longo), 162

Enzyme(s) release, lysosomal, in vitro from amnions obtained from laboring and nonlaboring women, XI. Initiation of human parturition (Schwarz, MacDonald, and Johnston), 21

serum, in diagnosis of ovarian malignancy (Burrows), 140 (Comm. in brief)

Eosinophilic granuloma with involvement of female genitalia (Issa et al.), 608
Epithelial cells, human ectocervical and endocervical, in culture: Com-

parative ultrastructural study (Vesterinen et al.), 681

Escherichia coli, invasive, vaginal colonization with, during pregnancy

(Amstey, Lewin, and Colaice), 534 Estradiol, estriol, and progesterone, serum, before and during induced labor (Kauppila et al.), 462

Estriol excretion, rhythmic changes in, during pregnancy (Isaksson et al.), 470

levels, plasma unconjugated, lack of subhourly variations in, in pregnant diabetic patients in third trimester (Rao, Wilcourt, and Queenan), 543

progesterone, and estradiol, serum, before and during induced labor (Kauppila et al.), 462
Estrogen and endometrial cancer: Cases and two control groups from

North Carolina (Hulka et al.), 92

low-, or regular type of oral contraceptive, pituitary and ovarian responsiveness to graded gonadotropin releasing factor

stimulation test in women using (Spellacy et al.), 109 oral contraceptives containing 50  $\mu$ g of, and those containing 20  $\mu$ g of estrogen, comparative study of effect of, on adrenal cortical function (Amin et al.), 831

and pregnanediol glucuronides, urinary, direct radioimmunoassay of, during menstrual cycle (Stanczyk, Miyakawa, and Goebelsmann), 443

priming, effect of, on induction of labor with prostaglandins (Luther et al.), 351

therapy, exogenous, risk of, and endometrial cancer (Jelovsek et al.), 85

Ethanol, infants of mothers treated with, for premature labor (Zervoudakis, Krauss, and Fuchs), 713

Evacuation, dilatation and, versus intra-amniotic instillation of prostaglandin F2a, midtrimester abortion by: Randomized clinical trial (Grimes, Hulka, and McCutchen), 785

Excretion, estriol, rhythmic changes in, during pregnancy (Isaksson et al.), 470

Exogenous estrogen therapy, risk of, and endometrial cancer (Jelovsek et al.), 85

Extramembranous pregnancy: Unusual complication of amniocentesis (Vago and Chavkin), 511 (Comm. in brief)

Factor, blood group Rh-D, in human trophoblast determined by immunofluorescent method (Goto, Nishi, and Tomoda), 707 Factor-Cont'd

stimulation test, graded gonadotropin releasing, pituitary and ovarian responsiveness to, in women using low-estrogen or regular type of oral contraceptive (Spellacy et al.), 109

Familial endometriosis, clinical characteristics of, II. Heritable aspects of endometriosis (Malinak et al.), 332

Fetal age and patterns of human fetal breathing movements (Trudinger and Knight), 724

body and fetal head volumes, estimation of: Description of technique and nomograms for 18 to 41 weeks of gestation (Martinez and Barton), 78

breathing activity, increased, after fetal hypophysectomy (Robinson, Kingston, and Thorburn), 729

death, intrauterine, management of, with prostaglandin E2 vaginal suppositories (Lauersen, Cederqvist, and Wilson), 753 (Clinical opinion)

intravenous prostaglandin E2 and 16-phenoxy prostaglandin E2 methyl sulfonylamide for induction of, in utero (Gruber

and Baumgarten), 8 in utero, comparison between vaginal prostaglandin E2 suppositories and intrauterine extra-amniotic prostaglandins in management of (Scher et al.), 769

distress in term pregnancies (Haesslein and Niswander), 245 drug concentrations, prediction of (Anderson, Phernetton, and Rankin), 735

growth, gestational changes in functional structure of human placenta in relation to: Morphometric study (Teasdale), 560 retardation in cigarette-smoking mothers is not due to decreased

maternal food intake (Haworth et al.), 719 heart rate and blood pressure during prolonged partial asphyxia in rhesus monkey (Mueller-Heubach, Myers, and Adamsons),

monitoring, electronic, effects of, on perinatal outcome and

obstetric practices (Mueller-Heubach et al.), 758 intrapartum. III. Association of meconium with abnormal fetal heart rate patterns (Krebs et al.), 936

in premature infants weighing 1,500 grams or less (Bowes, Gabbe, and Bowes), 791

testing, antepartum. VI. Predictive reliability of "normal" tests in prevention of antepartum death (Druzin, Gratacos, and Paul), 746 (Comm. in brief) prospective antepartum, clinical implications of (Devoe), 983

lambs, effect of oxygen and of carbon dioxide tension on incidence of apnea in (Bissonnette et al.), 575

liver and ductus venosus, effect of norepinephrine on blood flow through (Zink and Van Petten), 71 metabolism, alterations in, subsequent to maternal morphine admin-istration (Raye, Dubin, and Blechner), 505

movements and ultrasound: Effect of maternal intravenous glucose

administration (Gelman et al.), 459

nonpregnant, and maternal models, comparisons in response in: Role of prostaglandins in endotoxemia. I. Prostaglandins and pulmonary effect of experimental endotoxemia (Cefalo et al.), 53

survival-What price (Kirkley), 873

well-being, pre-ejection period as antepartum indicator of (Organ, Bernstein, and Hawrylyshyn), 810

Fetus(es) exposed to 5-fluorouracil during first trimester, multiple congenital anomalies in (Stephens et al.), 747 (Comm. in

and infant, risks and uncertainties for: Environmental pollution and pregnancy (Longo), 162

new computer technique for continuous measurement of pre-ejection period in: Physiologic significance of pre-ejection period patterns (Hawrylyshyn, Organ, and Bernstein), 801 with intrauterine growth retardation, acid-base characteristics of,

during labor and delivery (Lin et al.), 553

Fimbriectomy sterilization, Kroener, reversal of (Novy), 198 Flora, aerobic and anaerobic, of female genital tract, quantitative and qualitative effects of povidone-iodine liquid and gel on (Monif et al.), 432

Fluorouracil, 5-, multiple congenital anomalies in fetus exposed to, during first trimester (Stephens et al.), 747 (Comm. in brief)

Food intake, decreased maternal, feml growth retardation in cigarette-smoking mothers is not due to (Haworth et al.),

Frank breech presentation, term, randomized management of: Study of 208 cases (Collea, Chein, and Quilligan), 235

G

Genetic studies, I. Heritable aspects of endometriosis (Simpson et al.), 327

Genital tract changes, upper, and pregnancy outcome in offspring exposed in utero to diethylstilbestrol (Kaufman et al.), 299

female, quantitative and qualitative effects of povidone-iodine liquid and gel on aerobic and anaerobic flora of (Monif et al.), 432

lesions, diethylstilbestrol-associated, natural history of: Cervical ectopy and cervicovaginal hood (Antonioli, Burke, and Friedman), 847

Genitalia, female, eosinophilic granuloma with involvement of (Issa et al.), 608

verrucous lesions of. I. Giant condylomata (Partridge et al.), 412 II. Verrucous carcinoma (Partridge et al.), 419

Gestation, 18 to 41 weeks of, description of technique and nomograms for: Estimation of fetal body and fetal head volumes (Martinez and Barton), 78

Gestational changes in functional structure of human placenta in relation to fetal growth: Morphometric study (Teasdale), 560 trophoblastic neoplasia, management of liver metastasis from (Grumbine et al.), 959

Gland, anencephalic adrenal, morpholic features of, in early pregnancy (Gray and Abramovich), 491

Glomerulonephritis, acute poststreptococcal, in pregnancy: Case report with 18-year follow-up (Singson, Fisher, and Lindheimer), 857 (Comm. in brief)

Glucose administration, maternal intravenous, effect of: Fetal movements and ultrasound (Gelman et al.), 459

Glucuronides, urinary estrogen and pregnanediol, direct radioimmunoassay of, during menstrual cycle (Stanczyk, Miyakawa, and Goebelsmann), 443 Glycoprotein, "pregnancy-specific" beta-1, ectopic production of, in

Glycoprotein, "pregnancy-specific" beta-1, ectopic production of, in vitro: Discordance with three other placental proteins (Rosen et al.), 525

Goiter, myth of, in pregnancy (Levy et al.), 701

Gonadotropin, human chorionic, elevated titers of beta subunit of, in oophorectomized women being treated for trophoblastic disease (Hatch et al.), 122

releasing factor stimulation test, graded, pituitary and ovarian responsiveness to, in women using low-estrogen or regular type of oral contraceptive (Spellacy et al.), 109

Gonococcal cervicitis, rapid presumptive diagnosis of, by limulus lysate assay (Spagna, Prior, and Perkins), 595
Granuloma, eosinophilic, with involvement of female genitalia (Issa et

Gravid ever vascular and utering responses to dobutamine and dona

Gravid ewe, vascular and uterine responses to dobutamine and dopamine in (Fishburne et al.), 944

Growth, fetal, gestational changes in functional structure of human placenta in relation to: Morphometric study (Teasdale), 560 inhibiting property of amniotic fluids from two United States population groups, studies on (Appelbaum et al.), 579

retardation, fetal, in cigarette-smoking mothers is not due to decreased maternal food intake (Haworth et al.), 719 severe intrauterine, induction of, in Sprague-Dawley rat (Van

Geijn et al.), 43 Gynecologic cancer, tumor marker of: β<sub>2</sub>-microglobulin (Trope, Lögdberg, and Johnsson), 743 (Comm. in brief)

infections, obstetric and, high-dose cefamandole therapy in (Gall and Hill), 914

Gynecology, obstetrics and: Doing better—feeling worse (Stone), 309 manpower for. II. Characteristics of patients; their diagnoses and care (Pearse and Mendenhall), 320

## Н

Haemophilus vaginalis vaginitis after twenty-five years (Gardner), 385
Head volumes, fetal, fetal body and, estimation of: Description of
technique and nomograms for 18 to 41 weeks of gestation
(Martinez and Barton), 78

Health care costs, effect of utilization on (Sack), 271

Heart, newborn rabbit, influence of alpha-methyldopa on sympathetic innervation, in (Hoskins and Friedman), 496

rate, fetal, and blood pressure during prolonged partial asphyxia in rhesus monkey (Mueller-Heubach, Myers, and Adamsons), 48

monitoring, electronic fetal, effects of, on perinatal outcome and obstetric practices (Mueller-Heubach et al.), 758

Heart rate monitoring-Cont'd

fetal, in premature infants weighing 1,500 grams or less (Bowes, Gabbe, and Bowes), 791

intrapartum fetal. III. Association of meconium with abnormal fetal heart rate patterns (Krebs et al.), 936

testing, antepartum fetal. VI. Predictive reliability of "normal" tests in prevention of antepartum death (Druzin, Gratacos, and Paul), 746 (Comm. in brief)

prospective antepartum fetal, clinical implications of (Devoe),

Hemodynamic effects of isoxsuprine and terbutaline in pregnant and nonpregnant sheep (Nuwayhid et al.), 25

monitoring, invasive, in critically ill pregnant patients: Role of Swan-Ganz catheterization (Berkowitz and Rafferty), 127 (Current developments)

Hemolytic disease, Jr<sup>a</sup>-mediated, of newborn infant (Orrick and Golde), 135 (Comm. in brief)

Heritable aspects of endometriosis. I. Genetic studies (Simpson et al.), 327

II. Clinical characteristics of familial endometriosis (Malinak et al.), 332

Herpes genitalis, asymptomatic virus shedding after (Adam et al.), 827 Herpesvirus hominis, disseminated, maternal death secondary to (Kobbermann, Clark, and Griffin), 742 (Comm. in brief)

Histologic alterations adjacent to invasive vulvar carcinoma, significance of (Buscema, Stern, and Woodruff), 902 Hood, cervicovaginal, cervical ectopy and: Natural history of diethyl-

dood, cervicovaginal, cervical ectopy and: Natural history of diethylstilbestrol-associated genital tract lesions (Antonioli, Burke, and Friedman), 847

Hormone peak, luteinizing, and recovery of ova by transcervical flushing of uterus, time interval between, in normal women, III. Studies on duration of ovum transport by human oviduct (Diaz, Ortiz, and Croxatto), 116

thyroid-stimulating, evidence for increased dopaminergic inhibition of secretion of, in hyperprolactinemic patients with pituitary microadenoma (Quigley and Yen), 653

Hospital, community, carcinoma of breast in Who makes diagnosis? (Maharry), 207

out-of-, delivery in Washington State, 1975 to 1977 (Shy, Frost, and Ullom), 547

Human chorionic gonadotropin, elevated titers of beta subunit of, in oophorectomized women being treated for trophoblastic disease (Hatch et al.), 122

placental lactogen-binding substance, qualitative detection of, by radioassay (Heal and Gluck), 975

Hydrocortisone treatment, maternal, changes in amniotic fluid optical density at  $450~\text{m}\mu$  in Rh-sensitized patients after (Anderson and Cordero), 820

Hyperalimentation and chemotherapy, use of, in pregnancy: Case report (Webb), 263

Hyperprolactinemia, postpartum hypopituitarism and (Vaughn, Wiebe, and Hammond), 749 (Comm. in brief)

Hyperprolactinemic patients with pituitary microadenoma, evidence for increased dopaminergic inhibition of secretion of thyroid-stimulating hormone in (Quigley and Yen), 653

Hypertension, maternal, respiratory distress syndrome and, relationship of newborn serum prolactin levels to (Grosso et al.), 569

severe pregnancy-induced, cerebral edema in (Benedetti and Quilligan), 850 (Comm. in brief)

Hypnotic desensitization therapy of vaginismus by (Fuchs), 1 (Clinical opinion)

Hypophysectomy, fetal, increased fetal breathing activity after (Robinson, Kingston, and Thorburn), 729

Hypopituitarism, postpartum, and hyperprolactinemia (Vaughn, Wiebe, and Hammond), 749 (Comm. in brief)

Hysterectomy, cesarean, sterilization by (Britton), 887 radical, in treatment of cervical cancer (Benedet et al.), 254 Hysteroscopy in evaluation of female infertility (Valle), 425

## 1

Immunofluorescent method, blood group Rh-D factor in human trophoblast determined by (Goto, Nishi, and Tomoda), 707

Incontinence, stress urinary, selection of primary operative procedure for (Peters and Thornton), 923

Infant(s), fetus and, risks and uncertainties for: Environmental pollution and pregnancy (Longo), 162

Infant(s)-Cont'd

of mothers treated with ethanol for premature labor (Zervoudakis, Krauss, and Fuchs), 713

newborn, Jra-mediated hemolytic disease of (Orrick and Golde), 135 (Comm. in brief)

premature, weighing 1,500 grams or less, fetal heart rate monitoring in (Bowes, Gabbe, and Bowes), 791

very-low-birth-weight, changing trends of neonatal and postneonatal deaths in (Hack et al.), 797 Infection(s), is significant risk—Vaginal tubal ligation (Miesfeld, Giarratano, and Moyers), 183

obstetric and gynecologic, high-dose cefamandole therapy in (Gall and Hill), 914

Infertility, female, hysteroscopy in evaluation of (Valle), 425

Intraepithelial neoplasia, cervical, treated by cryotherapy, analysis of "long-term" follow-up results in patients with (Richart et

treatment of, by cone biopsy (Jones and Buller), 882

Intrapartum fetal heart rate monitoring. III. Association of meconium with abnormal fetal heart rate patterns (Krebs et al.), 936 Intrauterine detection of cystic fibrosis, promising marker for: Methylumbelliferylguanidinobenzoate-reactive proteases in

human amniotic fluid (Walsh and Nadler), 978 extra-amniotic prostaglandins, vaginal prostaglandin E2 suppositories and, comparison between, in management of fetal

death in utero (Scher et al.), 769
fetal death, management of, with prostaglandin E<sub>2</sub> vaginal suppositories (Lauersen, Cederqvist, and Wilson), 753 (Clinical

growth retardation, acid-base characteristics of fetuses with, during labor and delivery (Lin et al.), 553

severe, induction of, in Sprague-Dawley rat (Van Geijn et al.), 43 Intravenous glucose administration, maternal, effect of: Fetal movements and ultrasound (Gelman et al.), 459

prostaglandin E2 and 16-phenoxy prostaglandin E2 methyl sulfonylamide for induction of fetal death in utero (Gruber and Baumgarten), 8

Invasive vulvar carcinoma, significance of histologic alterations adjacent to (Buscema, Stern, and Woodruff), 902 Irregular antibodies—Continuing problem (Griffith), 174

Isoxsuprine, results with: Treatment of premature labor with beta sympathomimetics (Schenken et al.), 773

and terbutaline, hemodynamic effects of, in pregnant and nonpregnant sheep (Nuwayhid et al.), 25 Items, 153-154, 392-400, 632-634, 871-872

Jra-mediated hemolytic disease of newborn infant (Orrick and Golde), 135 (Comm. in brief)

Kroener fimbriectomy sterilization, reversal of (Novy), 198

Labor and delivery, acid-base characteristics of fetuses with intrauterine growth retardation during (Lin et al.), 553

effect of estrogen priming on induction of, with prostaglandins (Luther et al.), 351

induced, serum progesterone, estradiol, and estriol before and during (Kauppila et al.), 462 premature, infants of mothers treated with ethanol for (Zer-

voudakis, Krauss, and Fuchs), 713 treatment of, with beta sympathomimetics: Results with isoxsu-

prine (Schenken et al.), 773

preterm, oral ritodrine in treatment of (Creasy et al.), 212 Laboring and nonlaboring women, lysosomal enzyme release in vitro from amnions obtained from, XI. Initiation of human par-

turition (Schwarz, MacDonald, and Johnston), 21 Lactogen, human placental, -binding substance, qualitative detection of, by radioassay (Heal and Gluck), 975

Laparoscopic sterilization, puerperal (McDonell), 910

Lesions, diethylstilbestrol-associated genital tract, natural history of: Cervical ectopy and cervicovaginal hood (Antonioli, Burke, and Friedman), 847

verrucous, of female genitalia. I. Giant condylomata (Partridge et II. Verrucous carcinoma (Partridge et al.), 419

Ligation, vaginal tubal-Is infection significant risk? (Miesfeld, Giarratano, and Moyers), 183

Light and electron microscopic observations: Early physiologic squa-mous metaplasia of cervix (Lawrence and Shingleton), 661

Limulus lysate assay, rapid presumptive diagnosis of gonococcal cervicitis by (Spagna, Prior, and Perkins), 595

Liver and ductus venosus, fetal, effect of norepinephrine on blood flow through (Zink and Van Petten), 71

metastasis from gestational trophoblastic neoplasia, management of (Grumbine et al.), 959

Lunar and menstrual phase locking (Cutler), 834

Luteinizing hormone peak and recovery of ova by transcervical flushing of uterus, time interval between, in normal women, III. Studies on duration of ovum transport by human oviduct (Díaz, Ortiz, and Croxatto), 116

Luteolysis, pharmacologic induction of, in cynomulgus monkeys (Macaca fascicularis) (Shaikh, Shaikh, and Castracane), 672 Lysosomal enzyme release in vitro from amnions obtained from labor-

ing and nonlaboring women, XI. Initiation of human parturition (Schwarz, MacDonald, and Johnston), 21

Magnification, tubal and peritubal surgery without (Spadoni), 189 Malignancy, ovarian, serum enzymes in diagnosis of (Burrows), 140 (Comm. in brief)

Manpower for obstetrics and gynecology. II. Characteristics of patients; their diagnoses and care (Pearse and Mendenhall),

Maternal alpha-methyldopa, influence of, on sympathetic innervation in newborn rabbit heart (Hoskins and Friedman), 496

blood and cord blood, serum concentration of bile acids in, at parturition (Demers and Darnell Jones), 146 (Comm. in brief) death secondary to disseminated herpesvirus hominis (Kobbermann,

Clark, and Griffin), 742 (Comm. in brief) fetal, and nonpregnant models, comparisons in response in: Role of prostaglandins in endotoxemia. I. Prostaglandins and pul-

monary effect of experimental endotoxemia (Cefalo et al.), 53 food intake, decreased, fetal growth retardation in cigarette-smok-

ing mothers is not due to (Haworth et al.), 719 hydrocortisone treatment, changes in amniotic fluid optical density

at 450 mµ in Rh-sensitized patients after (Anderson and Cordero), 820

hypertension, respiratory distress syndrome and, relationship of newborn serum prolactin levels to (Grosso et al.), 569

intravenous glucose administration, effect of: Fetal movements and ultrasound (Gelman et al.), 459 morphine administration, alterations in fetal metabolism subsequent

to (Raye, Dubin, and Blechner), 505

Maturation, placental, relationship to, in rat, V. Placental amino acid uptake (Schlepphorst, Kelley, and Smith), 499
Meconium, association of, with abnormal fetal heart rate patterns, III. Intrapartum fetal heart rate monitoring (Krebs et al.), 936

Medroxyprogesterone acetate, binding of, in human breast cancer (Young et al.), 284

Membranes, amniotic, endometrial biopsy cultures, and amniotic fluid, clinical significance of, at time of cesarean section (Cooperman, Kasim, and Rajashekaraiah), 536

ruptured, bacterial colonization of amniotic fluid in presence of (Miller et al.), 451

Menopause, premature, thyroid autoimmunity, and myasthenia gravis (Williamson et al.), 893

Menstrual cycle, direct radioimmunoassay of urinary estrogen and pregnanediol glucuronides during (Stanczyk, Miyakawa, and Goebelsmann), 443

phase locking, lunar and (Cutler), 834

Metabolism, fetal, alterations in, subsequent to maternal morphine administration (Raye, Dubin, and Blechner), 505 Metaplasia, coelomic, positive proof for theory of (El-Mahgoub and

Yaseen), 137 (Comm. in brief)

early physiologic squamous, of cervix: Light and electron microscopic observations (Lawrence and Shingleton), 661

Metastasis, liver, from gestational trophoblastic neoplasia, management of (Grumbine et al.), 959

Methyldopa, alpha-, maternal, influence of, on sympathetic innervation in newborn rabbit heart (Hoskins and Friedman), 496

- Methylumbelliferylguanidinobenzoate-reactive proteases in human amniotic fluid: Promising marker for intrauterine detection of cystic fibrosis (Walsh and Nadler), 978
- Microadenoma, pituitary, evidence for increased dopaminergic inhibition of secretion of thyroid-stimulating hormone in hyperprolactinemic patients with (Quigley and Yen), 653
- Microglobulin,  $\beta_2$ : Tumor marker of gynecologic cancer (Trope, Lögdberg, and Johnsson), 743 (Comm. in brief)
- Microscopic observations, light and electron: Early physiologic squamous metaplasia of cervix (Lawrence and Shingleton), 661
- Midtrimester abortion by dilatation and evacuation versus intraamniotic instillation of prostaglandin F<sub>2</sub>α: Randomized clinical trial (Grimes, Hulka, and McCutchen), 785
- Monitoring, electronic fetal heart rate, effects of, on perinatal outcome and obstetric practices (Mueller-Heubach et al.), 758
  - fetal heart rate, in premature infants weighing 1,500 grams or less (Bowes, Gabbe, and Bowes), 791 intrapartum fetal heart rate. III. Association of meconium with ab-
- normal fetal heart rate patterns (Krebs et al.), 936
- invasive hemodynamic, in critically ill pregnant patients: Role of Swan-Ganz catheterization (Berkowitz and Rafferty), 127 (Current developments)
- thermal, model for, in cryosurgery (Wilchins et al.), 854
- Monozygotic twins, diethylstilbestrol-exposed, discordant for cervicovaginal clear cell adenocarcinoma (Sandberg and Christian), 220
- Morphine administration, maternal, alterations in fetal metabolism subsequent to (Raye, Dubin, and Blechner), 505
- Mothers, cigarette-smoking, fetal growth retardation in, is not due to decreased maternal food intake (Haworth et al.), 719
- treated with ethanol for premature labor, infants of (Zervoudakis, Krauss, and Fuchs), 713
- Movements, fetal, and ultrasound: Effect of maternal intravenous glucose administration (Gelman et al.), 459 human fetal breathing, fetal age and (Trudinger and Knight), 724
- Myasthenia gravis, premature menopause, and thyroid autoimmunity (Williamson et al.), 893

- Neonatal and postneonatal deaths, changing trends of, in very-low-birth-weight infants (Hack et al.), 797
- respiratory distress syndrome, antenatal corticosteroids to prevent: Risk versus benefit considerations (Depp et al.), 338
- surgical, obstetric, and morphopathologic parameters, 300-year review of: Xiphopagus conjoined twins (Harper et al.), 517 (Current developments)
- Neoplasia, cervical, diagnostic value of colposcopy in investigation of (Javaheri and Fejgin), 588
  - intraepithelial, treated by cryotherapy, analysis of "long-term" follow-up results in patients with (Richart et al.), 823
  - treatment of, by cone biopsy (Jones and Buller), 882 gestational trophoblastic, management of liver metastasis from (Grumbine et al.), 959
- transmissible venereal: Case report (Stein), 864 (Comm. in brief) Neural tube defects, prenatal diagnosis of. V. Value of amniotic fluid
- cholinesterase studies (Zeisel, Milunsky, and Blusztajn), 481 Newborn infant, Jra-mediated hemolytic disease of (Orrick and Golde), 135 (Comm. in brief)
- rabbit heart, influence of alpha-methyldopa on sympathetic inner-vation, in (Hoskins and Friedman), 496
- serum prolactin levels, relationship of, to respiratory distress syndrome and maternal hypertension (Grosso et al.), 569
- Nomograms, description of technique and, for 18 to 41 weeks of gestation: Estimation of fetal body and fetal head volumes (Martinez and Barton), 78
- Nonstress test, variable decelerations and: Indication of cord compromise (O'Leary, Andrinopoulos, and Giordano), 704
- Norepinephrine, effect of, on blood flow through fetal liver and ductus venosus (Zink and Van Petten), 71
- North Carolina, cases and two control groups from: Estrogen and endometrial cancer (Hulka et al.), 92

- Obstetric(s) analgesia, \(\beta\)-endorphin in (Oyama et al.), 613 (Current investigation)
  - anesthesia, language barrier in (DeVore and Koskela), 745 (Comm.

- Obstetric(s)-Cont'd
- and gynecologic infections, high-dose cefamandole therapy in (Gall and Hill), 914
- and gynecology: Doing better-feeling worse (Stone), 309
- manpower for. II. Characteristics of patients; their diagnoses and care (Pearse and Mendenhall), 320
- morphopathologic, neonatal, and surgical parameters, 300-year review of: Xiphopagus conjoined twins (Harper et al.), 617 (Current developments)
- practices, perinatal outcome and, effects of electronic fetal heart rate monitoring on (Mueller-Heubach et al.), 758
- service, teaching, experience in: Alternative birthing center (Barton et al.), 377
- Offspring exposed in utero to diethylstilbestrol, upper genital tract changes and pregnancy outcome in (Kaufman et al.), 299
- , her, pregnant woman and, natural history of group B streptococcal colonization in. I. Colonization studies (Yow et al.), 34 II. Determination of serum antibody to capsular polysac
  - charide from type III, group B Streptococcus (Baker et al.),
- Oophorectomized women being treated for trophoblastic disease, elevated titers of beta subunit of human chorionic gonadotropin in (Hatch et al.), 122
- Operative procedure, primary, for stress urinary incontinence, selec-tion of (Peters and Thornton), 923
- Optical density, amniotic fluid, at 450 mµ, changes in, in Rh-sensitized patients after maternal hydrocortisone treatment (Anderson and Cordero), 820
- Oral contraceptive(s) containing 50 µg of estrogen and those containing 20 µg of estrogen, comparative study of effect of, on adrenal cortical function (Amin et al.), 831
  - increased blood viscosity in young women using (Lowe et al.), 840 low-estrogen or regular type of, pituitary and ovarian responsiveness to graded gonadotropin releasing factor stimulation test in women using (Spellacy et al.), 109 therapy, chorea associated with (Dove), 740 (Comm. 14 brief)
  - ritodrine maintenance in treatment of preterm labor (Creasy et al.),
- Organisms, causative, and risk factors: Post-cesarean section endome-
- tritis (Middleton et al.), 144 (Comm. in brief) Outpatient procedure: Cone biopsy (Berkus and Daly), 953
- Ovarian malignancy, serum enzymes in diagnosis of (Burrows), 140 (Comm. in brief)
- responsiveness, pituitary and, to graded gonadotropin releasing factor stimulation test in women using low-estrogen or regular type of oral contraceptive (Spellacy et al.), 109
- Ovary disease, polycystic, clinical and cytogenetic studies of patients with (Parker et al.), 656
- Oviduct, human, studies on duration of ovum transport by. III. Time interval between luteinizing hormone peak and recovery of ova by transcervical flushing of uterus in normal women (Díaz, Ortiz, and Croxatto), 116
- Ovulatory (post-) intravaginal 15(S)-15-methyl prostaglandin F<sub>2</sub>αmethyl ester administration, ovum transport in rhesus monkey following (Eddy), 966
- Ovum transport by human oviduct, studies on duration of. III. Time interval between luteinizing hormone peak and recovery of ova by transcervical flushing of uterus in normal women (Díaz, Ortiz, and Croxatto), 116
  - in rhesus monkey following postovulatory intravaginal 15(S)-15-methyl prostaglandin  $F_{2}\alpha\text{-methyl}$  ester administration
- Oxygen, effect of, and of carbon dioxide tension on incidence of apnea in fetal lambs (Bissonnette et al.), 575

- Pacific Coast Obstetrical and Gynecological Society, transactions, forty-sixth annual meeting, 155-275
- Parturition, human, initiation of. XI. Lysosomal enzyme release in vitro from amnions obtained from laboring and nonlaboring women (Schwarz, MacDonald, and Johnston), 21
- serum concentration of bile acids in maternal blood and cord blood at (Demers and Darnell Jones), 146 (Comm. in brief)
- Pelvimetry, x-ray, evaluation of usefulness of: Comparison of Thoms and modified Ball methods with manual pelvimetry (Fine, Bracken, and Berkowitz), 15
- Pelvis, extraperitoneal surgical approach to, after radiation therapy or radical surgery (Schellhas), 367

Perfusion, skin, in pregnancy (Katz and Sokal), 30

Periclitoral abscess, vulvar ectopic breast tissue mimicking (Reeves and Kaufman), 509 (Comm. in brief)

Perinatal outcome and obstetric practices, effects of electronic fetal heart rate monitoring on (Mueller-Heubach et al.), 758

Peritoneal (extra-) surgical approach to pelvis after radiation therapy or radical surgery (Schellhas), 367 Pharmacologic induction of luteolysis in cynomolgus monkeys (Macaca

fascicularis) (Shaikh, Shaikh, and Castracane), 672

Physician and society: Individual and collective relationships (Nettles),

Pituitary adenomas, prolactin-secreting, results of surgery in 114 patients with (Domingue, Richmond, and Wilson), 102 Serum and tissue prolactin levels with ultrastructural correla-

tion (Archer et al.), 646

-adrenal function in women treated with low doses of prednisone (Fujieda et al.), 962

microadenoma, evidence for increased dopaminergic inhibition of secretion of thyroid-stimulating hormone in hyperprolac-

tinemic patients with (Quigley and Yen), 653 and ovarian responsiveness to graded gonadotropin releasing factor stimulation test in women using low-estrogen or regular type of oral contraceptive (Spellacy et al.), 109

Placenta, conjoined ("Siamese") twin, unusual findings in (Wiegenstein and Iozzo), 744 (Comm. in brief)

human, gestational changes in functional structure of, in relation to fetal growth: Morphometric study (Teasdale), 560

previa, conservative aggressive management of (Cotton et al.), 687 Placental amino acid uptake. V. Relationship to placental maturation in rat (Schlepphorst, Kelley, and Smith), 499

bed, human: Electron microscopic study of trophoblastic invasion of spiral arteries (De Wolf et al.), 58

lactogen, human, -binding substance, qualitative detection of, by radioassay (Heal and Gluck), 975 protein(s) 5, circulating, detection of, in patients with trophoblastic

tumors (Grudzinskas et al.), 866 (Comm. in brief)

three other, discordance with: Ectopic production of "pregnancy-specific" beta-1 glycoprotein in vitro (Rosen et al.), 525 tuberculosis in early and late pregnancy (Kaplan, Benirschke, and Tarzy), 858 (Comm. in brief)

Plasma unconjugated estriol levels, lack of subhourly variations in, in

pregnant diabetic patients in third trimester (Rao, Wilcourt, and Queenan), 543

Plastic spatula, making smear with, III. Studies on distribution of ab-normal cells in cytologic preparations (Rubio et al.), 843 Pollution, environmental, and pregnancy: Risks and uncertainties for

fetus and infant (Longo), 162 Polycystic ovary disease, clinical and cytogenetic studies of patients with

(Parker et al.), 656 Polysaccharide, capsular, from type III, group B Streptococcus, deter-mination of serum antibody to, II. Natural history of group B streptococcal colonization in pregnant woman and her

offspring (Baker et al.), 39 Postpartum hypopituitarism and hyperprolactinemia (Vaughn, Wiebe, and Hammond), 749 (Comm. in brief)

Povidone-iodine liquid and gel, quantitative and qualitative effects of, on aerobic and anaerobic flora of female genital tract (Monif et al.), 432

Prednisone, pituitary-adrenal function in women treated with low doses of (Fujieda et al.), 962

Pre-ejection period as antepartum indicator of fetal well-being (Organ, Bernstein, and Hawrylyshyn), 810

new computer technique for continuous measurement of, in human fetus: Physiologic significance of pre-ejection period patterns (Hawrylyshyn, Organ, and Bernstein), 801

Pregnancy (pregnancies), acute poststreptococcal glomerulonephritis in: Case report with 18-year follow-up (Singson, Fisher, and Lindheimer), 857 (Comm. in brief)

coccidioidomycosis complicating (McCoy, Ellenberg, and Killam), 739 (C mm. in brief)

and contraception, attitudes of adolescents toward (Ryan and Sweeney), 358 early and late, placental tuberculosis in (Kaplan, Benirschke, and Tarzy), 858 (Comm. in brief)

environmental pollution and: Risks and uncertainties for fetus and

infant (Longo), 162 extramembranous: Unusual complication of amniocentesis (Vago and Chavkin), 511 (Comm. in brief)

Pregnancy (pregnancies)—Cont'd

induced hypertension, severe, cerebral edema in (Benedetti and Quilligan), 850 (Comm in brief)

morphologic features of anencephalic adrenal gland in (Gray and Abramovich), 491

myth of goiter in (Levy et al.), 701

normal, cortisol, 11-desoxycortisol, and 21-desoxycortisol concentrations in amniotic fluid during (Blankstein et al.), 781

urodynamic studies in, and in puerperium (losif, Ingemarsson, and Ulmsten), 696

outcome, prenatal care and (Ryan, Sweeney, and Solola), 876 upper genital tract changes and, in offspring exposed in utero to diethylstilbestrol (Kaufman et al.), 299

primary tubal carcinoma in (Schinfeld and Winston), 512 (Comm. in brief)

rhythmic changes in estriol excretion during (Isaksson et al.), 470 skin perfusion in (Katz and Sokal), 30

-specific beta-1 glycoprotein, ectopic production of, in vitro: Discordance with three other placental proteins (Rosen et al.), 525 term, fetal distress in (Haesslein and Niswander), 245

total and free testosterone during (Bammann, Coulam, and Jiang),

use of hyperalimentation and chemotherapy in: Case report (Webb),

vaginal colonization with invasive Escherichia coli during (Amstey, Lewin, and Colaice), 534

Pregnanediol glucuronides, urinary estrogen and, direct radioimmunoassay of, during menstrual cycle (Stanczyk, Miyakawa, and Goebelsmann), 443

Pregnant diabetic patients, lack of subhourly variations in plasma unconjugated estriol levels in, in third trimester (Rao, Wilcourt, and Queenan), 543

(non-), maternal, and fetal models, comparisons in response in: Role of prostaglandins in endotoxemia. I. Prostaglandins and pulmonary effect of experimental endotoxemia (Cefalo et al.), 53

(non-) sheep, uterine vascular response to prostacyclin in (Resnik and Brink), 267

and nonpregnant sheep, hemodynamic effects of isoxsuprine and terbutaline in (Nuwayhid et al.), 25

patients, critically ill, invasive hemodynamic monitoring in: Role of Swan-Ganz catheterization (Berkowitz and Rafferty), 127 (Current developments)

woman and her offspring, natural history of group B streptococcal colonization in. I. Colonization studies (Yow et al.), 34 II. Determination of serum antibody to capsular polysac-

charide from type III, group B Streptococcus (Baker et al.), Premature delivery, coital activity and (Rayburn and Wilson), 972

infants weighing 1,500 grams or less, fetal heart rate monitoring in (Bowes, Gabbe, and Bowes), 791 labor, infants of mothers treated with ethanol for (Zervoudakis,

Krauss, and Fuchs), 713 treatment of, with beta sympathomimetics: Results with isoxsuprine (Schenken et al.), 773

menopause, thyroid autoimmunity, and myasthenia gravis (Williamson et al.), 893

Prematurity, iatrogenic, avoiding, with elective repeat cesarean section without routine use of amniocentesis (Frigoletto et al.), 521 Prenatal care and pregnancy outcome (Ryan, Sweeney, and Solola),

876 diagnosis of neural tube defects. V. Value of amniotic fluid cholines-terase studies (Zeisel, Milunsky, and Blusztajn), 481 Presentation, term frank breech, randomized management of: Study

of 208 cases (Collea, Chein, and Quilligan), 235

Pressor (roll-over) test, supine: Evaluation (Kuntz), 764 Previa, placenta, conservative aggressive management of (Cotton et

al.), 687 Progesterone, estradiol, and estriol, serum, before and during induced

labor (Kauppila et al.), 462 Prolactin levels, newborn serum, relationship of, to respiratory distress

syndrome and maternal hypertension (Grosso et al.), 569 -secreting pituitary adenomas, results of surgery in 114 patients with

(Domingue, Richmond, and Wilson), 102 Serum and tissue prolactin levels with ultrastructural correla-tion (Archer et al.), 646

Prostacyclin, uterine vascular response to, in nonpregnant sheep (Resnik and Brink), 267

- Prostaglandin(s) E2 derivative, tissue-selective, improvement in artificial second-trimester abortion with (Schmide-Gollwitzer et
  - al.), 867 (Comm. in brief) and 16-phenoxy prostaglandin E<sub>2</sub> methyl sulfonylamide, intravenous, for induction of fetal death in utero (Gruber and Baumgarten), 8
  - suppositories, vaginal, and intrauterine extra-amniotic prostaglandins, comparison between, in management of fetal death in utero (Scher et al.), 769
  - vaginal suppositories, management of intrauterine fetal death with (Lauersen, Cederqvist, and Wilson), 753 (Clinical opinion)
  - effect of estrogen priming on induction of labor with (Luther et al.), 351
  - F<sub>2</sub>α, intra-amniotic instillation of, dilatation and evacuation versus, midtrimester abortion by: Randomized clinical trial (Grimes, Hulka, and McCutchen), 785
    - -methyl ester, 15(S)-15-methyl, administration, postovulatory intravaginal, ovum transport in rhesus monkey following (Eddy), 966
- role of, in endotoxemia: Comparisons in response in nonpregnant, maternal, and fetal models. I. Prostaglandins and pulmonary effect of experimental endotoxemia (Cefalo et al.), 53
- Proteases, methylumbelliferylguanidinobenzoate-reactive, in human amniotic fluid: Promising marker for intrauterine detection of cystic fibrosis (Walsh and Nadler), 978
- Protein(s) 5, circulating placental, detection of, in patients with trophoblastic tumors (Grudzinskas et al.), 866 (Comm. in brief)
- three other placental, discordance with: Ectopic production of "pregnancy-specific" beta-1 glycoprotein in vitro (Rosen et al ) 595
- Psychosexual functioning in symptomatic and asymptomatic women with and without signs of vaginitis (McCuire, Guzinski, and Holmes), 600
- Puerperal laparoscopic sterilization (McDonell), 910
- Puerperium, urodynamic studies in normal pregnancy and in (Iosif, Ingemarsson, and Ulmsten), 696
- Pulmonary effect of experimental endotoxemia, prostaglandins and, I. Role of prostaglandins in endotoxemia: Comparisons in response in nonpregnant, maternal, and fetal models (Cefalo et al.), 53

- Radiation therapy or radical surgery, extraperitoneal surgical approach to pelvis after (Schellhas), 367
- Radical hysterectomy in treatment of cervical cancer (Benedet et al.), 254
- surgery, radiation therapy or, extraperitoneal surgical approach to pelvis after (Schellhas), 367 Radioassay, qualitative detection of human placental lactogen-binding
- substance by radioassay (Heal and Gluck), 975
- Radioimmunoassay, direct, of urinary estrogen and pregnanediol glucuronides during menstrual cycle (Stanczyk, Miyakawa,
- and Goebelsmann), 443 Rape: Sexual assault (Hicks), 931
- Rectovaginal septal defects, anatomic classification of (Rosenshein, Genadry, and Woodruff), 439
- Releasing factor stimulation test, graded gonadotropin, pituitary and ovarian responsiveness to, in women using low-estrogen or regular type of oral contraceptive (Spellacy et al.), 109
- Remember the tune (Haynes), 638
- Renal stones, increased incidence of, in women with spontaneous abortion: Retrospective study (Honoré), 145 (Comm. in brief)
- Rent, womb (Pomerance, Schifrin, and Meredith), 486
- Reproductive significance of changes in endometrial cavity associated with exposure in utero to diethylstilbestrol (Pillsbury), 178
- Respiratory distress syndrome and maternal hypertension, relationship of newborn serum prolactin levels to (Grosso et al.), 569
  - neonatal, antenatal corticosteroids to prevent: Risk versus benefit considerations (Depp et al.), 338
- Retardation, fetal growth, in cigarette-smoking mothers is not due to decreased maternal food intake (Haworth et al.), 719
  - intrauterine growth, acid-base characteristics of fetuses with, during labor and delivery (Lin et al.), 553
  - severe intrauterine growth, induction of, in Sprague-Dawley rat (Van Geijn et al.), 43

- Rh-D factor, blood group, in human trophoblast determined by immunofluorescent method (Goto, Nishi, and Tomoda), 707
  - -sensitized patients, changes in amniotic fluid optical density at 450 mμ in, after maternal hydrocortisone treatment (Anderson and Cordero), 820
- Ritodrine maintenance, oral, in treatment of preterm labor (Creasy et al.), 212
- Roll-over (supine pressor) test: Evaluation (Kuntz), 764
- Ruptured membranes, bacterial colonization of amniotic fluid in presence of (Miller et al.), 451

- Secreting, prolactin-, pituitary adenomas: Serum and tissue prolactin levels with ultrastructural correlation (Archer et al.), 646 results of surgery in 114 patients with (Domingue, Richmond, and Wilson), 102
- Secretion of thyroid-stimulating hormone, evidence for increased dopaminergic inhibition of, in hyperprolactinemic patients with pituitary microadenoma (Quigley and Yen), 653
- Septal defects, rectovaginal, anatomic classification of (Rosenshein, Genadry, and Woodruff), 439
- Serum antibody to capsular polysaccharide from type III, group B Streptococcus, determination of, II. Natural history of group B streptococcal colonization in pregnant woman and her offspring (Baker et al.), 39
- concentration of bile acids in maternal blood and cord blood at parturition (Demers and Darnell Jones), 146 (Comm. in brief) enzymes in diagnosis of ovarian malignancy (Burrows), 140 (Comm.
- in brief) progesterone, estradiol, and estriol before and during induced labor
- (Kauppila et al.), 462 prolactin levels, newborn, relationship of, to respiratory distress syndrome and maternal hypertension (Grosso et al.), 569
- and tissue prolactin levels with ultrastructural correlation: Prolactin-secreting pituitary adenomas (Archer et al.), 646
- Sexual assault: Rape (Hicks), 931 "Siamese" (conjoined) twin placenta, unusual findings in (Wiegenstein and Iozzo), 744 (Comm. in brief)
- Sinus, uteroabdominal, following cesarean section (Dessouky and Bolan), 147 (Comm. in brief)
- Skin perfusion in pregnancy (Katz and Sokal), 30
- Smear, making, with plastic spatula, III. Studies on distribution of abnormal cells in cytologic preparations (Rubio et al.), 843
- Smoking, cigarette-, mothers, fetal growth retardation in, is not due to decreased maternal food intake (Haworth et al.), 719
- Society, physician and: Individual and collective relationships (Nettles),
- South Atlantic Association of Obstetricians and Gynecologists, transactions, forty-second annual meeting, 873-958
- Spatula, plastic, making smear with, III. Studies on distribution of abnormal cells in cytologic preparations (Rubio et al.), 843 Squamous metaplasia, early physiologic, of cervix: Light and electron
- microscopic observations (Lawrence and Shingleton), 661
- Sterilization by cesarean hysterectomy (Britton), 887 Kroener fimbriectomy, reversal of (Novy), 198 puerperal laparoscopic (McDonell), 910
- Stones, renal, increased incidence of, in women with spontaneous abortion: Retrospective study (Honoré), 145 (Comm. in brief)
- Streptococcal colonization, group B, natural history of, in pregnant woman and her offspring. I. Colonization studies (Yow et al.), 34
  - II. Determination of serum antibody to capsular polysaccharide from type III, group B Streptococcus (Baker et al.), 39
  - (post-), glomerulonephritis, acute, in pregnancy: Case report with 18-year follow-up (Singson, Fisher, and Lindheimer), 857 (Comm. in brief)
- Streptococcus, type III, group B, determination of serum antibody to capsular polysaccharide from, II. Natural history of group B streptococcal colonization in pregnant woman and her offspring (Baker et al.), 39
- Stress urinary incontinence, selection of primary operative procedure for (Peters and Thornton), 923
- Supine pressor (roll-over) test: Evaluation (Kuntz), 764
- Suppositories, prostaglandin E<sub>2</sub> vaginal, management of intrauterine fetal death with (Lauersen, Cederqvist, and Wilson), 753 (Clinical opinion)

Suppositories-Cont'd

vaginal prostaglandin E2, and intrauterine extra-amniotic prostaglandins, comparison between, in management of fetal death in utero (Scher et al.), 769

Surgery, radical, radiation therapy or, extraperitoneal surgical approach to pelvis after (Schellhas), 367

results of, in 114 patients with prolactin-secreting pituitary adenomas (Domingue, Richmond, and Wilson), 102

tubal and peritubal, without magnification: Analysis (Spadoni), 189 Surgical approach, extraperitoneal, to pelvis after radiation therapy or radical surgery (Schellhas), 367

obstetric, morphopathologic, and neonatal parameters, 300-year review of: Xiphopagus conjoined twins (Harper et al.), 517 (Current developments)

procedures, abdominal, incidence of, in population undergoing abortion (King, Atienza, and Burkman), 530 Survival, fetal—What price (Kirkley), 873

Swan-Ganz catheterization, role of: Invasive hemodynamic monitoring in critically ill pregnant patients (Berkowitz and Rafferty), 127 (Current developments)

Sympathetic innervation, influence of alpha-methyldopa on, in newborn rabbit heart (Hoskins and Friedman), 496

Sympathomimetics, beta, treatment of premature labor with: Results with isoxsuprine (Schenken et al.), 773

Syndrome, respiratory distress, and maternal hypertension, relationship of newborn serum prolactin levels to (Grosso et al.), 569

neonatal, antenatal corticosteroids to prevent: Risk versus benefit considerations (Depp et al.), 338

Teaching obstetric service, experience in: Alternative birthing center (Barton et al.), 377

Teenagers, 1,762, experience in: Adolescent contraceptive use (Edwards et al.), 583

Tension, carbon dioxide, effect of oxygen and of, on incidence of apnea in fetal lambs (Bissonnette et al.), 575

Terbutaline, isox...prine and, hemodynamic effects of, in pregnant and nonpregnant sheep (Nuwayhid et al.), 25 Term frank breech presentation, randomized management of: Study

of 208 cases (Collea, Chein, and Quilligan), 235 (pre-) labor, oral ritodrine in treatment of (Creasy et al.), 212

pregnancies, fetal distress in (Haesslein and Niswander), 245 Test(s), graded gonadotropin releasing factor stimulation, pituitary and ovarian responsiveness to, in women using lowestrogen or regular type of oral contraceptive (Spellacy et

nonstress, variable decelerations and: Indication of cord com-

promise (O'Leary, Andrinopoulos, and Giordano), 704 "normal," predictive reliability of, in prevention of antepartum death, VI. Antepartum fetal heart rate testing (Druzin, Gratacos, and Paul), 746 (Comm. in brief)

supine pressor (roll-over): Evaluation (Kuntz), 764 Testing, antepartum fetal heart rate. V1. Predictive reliability of "normal" tests in prevention of antepartum death (Druzin, Gratacos, and Paul), 746 (Comm. in brief) prospective antepartum fetal heart rate, clinical implications of (De-

voe), 983

Testosterone, total and free, during pregnancy (Bammann, Coulam, and Jiang), 293 Thermal monitoring, model for, in cryosurgery (Wilchins et al.), 854

Thoms and modified Ball methods, comparison of, with manual pelvimetry: Evaluation of usefulness of x-ray pelvimetry (Fine, Bracken, and Berkowitz), 15

Thyroid autoimmunity, myasthenia gravis, and premature menopause (Williamson et al.), 893

-stimulating hormone, evidence for increased dopaminergic inhibi-

tion of secretion of, in hyperprolactinemic patients with pi-tuitary microadenoma (Quigley and Yen), 653

Tissue prolactin levels, serum and, with ultrastructural correlation:

Prolactin-secreting pituitary adenomas (Archer et al.), 646

-selective prostaglandin E<sub>2</sub> derivative, improvement in artificial second-trimester abortion with (Schmidt-Gollwitzer et al.), 867 (Comm. in brief)

vulvar ectopic breast, mimicking periclitoral abscess (Reeves and Kaufman), 509 (Comm. in brief)

Titers, elevated, of beta subunit of human chorionic gonadotropin in oophorectomized women being treated for trophoblastic disease (Hatch et al.), 122

Transactions, forty-second annual meeting, South Atlantic Association of Obstetricians and Gynecologists, 873-958

forty-sixth annual meeting, Pacific Coast Obstetrical and Gynecolog-

ical Society, 155-275 forty-seventh annual meeting, Central Association of Obstetricians and Gynecologists, 277-391

Transmissible veneral neoplasia: Case report (Stein), 864 (Comm. in

Trimester, multiple congenital anomalies in fetus exposed to 5-fluorouracil during (Stephens et al.), 747 (Comm. in brief)

second-, abortion, artificial, improvement in, with new tissueselective prostaglandin E2 derivative (Schmidt-Gollwitzer et al.), 867 (Comm. in brief)

third, lack of subhourly variations in plasma unconjugated estriol levels in pregnant patients in (Rao, Wilcourt, and Queenan), 543

Trophoblast, human, blood group Rh-D factor in, determined by immunofluorescent method (Goto, Nishi, and Tomoda), 707

Trophoblastic disease, elevated titers of beta subunit of human chorionic gonadotropin in oophorectomized women being treated for (Hatch et al.), 122 invasion of spiral arteries, electron microscopic study of: Human

placental bed (De Wolf et al.), 58

neoplasia, gestational, management of liver metastasis from (Grum-

bine et al.), 959 tumors, detection of circulating placental protein 5 in patients with (Grudzinskas et al.), 866 (Comm. in brief) Tubal carcinoma, primary, in pregnancy (Schinfeld and Winston), 512

(Comm. in brief) ligation, vaginal-Is infection significant risk? (Miesfeld, Giarratano,

and Movers), 183 and peritubal surgery without magnification: Analysis (Spadoni),

Tuberculosis, placental, in early and late pregnancy (Kaplan, Benirschke, and Tarzy), 858 (Comm. in brief)

Tumor(s) marker of gynecologic cancer: β<sub>2</sub>-microglobulin (Trope, Lögdberg, and Johnsson), 743 (Comm. in brief)

response to chemotherapy, predicting: New indication for colpos-copy (Marin and Crisp), 862

trophoblastic, detection of circulating placental protein 5 in patients with (Grudzinskas et al.), 866 (Comm. in brief)

Twin(s), diethylstilbestrol-exposed monozygotic, discordant for cer-vicovaginal clear cell adenocarcinoma (Sandberg and Christian), 220

placenta, conjoined ("Siamese"), unusual findings in (Wiegenstein and Iozzo), 744 (Comm. in brief)

xiphopagus conjoined: 300-year review of obstetric, morphopathologic, neonatal, and surgical parameters (Harper et al.), 617 (Current developments)

Ultrasound, fetal movements and: Effect of maternal intravenous glucose administration (Gelman et al.), 459

United States population groups, two, studies on growth-inhibiting property of amniotic fluids from (Appelbaum et al.), 579
Urinary estrogen and pregnanediol glucuronides, direct radioimmu-

noassay of, during menstrual cycle (Stanczyk, Miyakawa, and Goebelsmann), 443

incontinence, stress, selection of primary operative procedure for (Peters and Thornton), 923

Urodynamic studies in normal pregnancy and in puerperium (Iosif, Ingemarsson, and Ulmsten), 696

Urology, female, diagnostic procedures in (Ostergard and McCarthy), 401 (Clinical opinion) Uterine responses, vascular and, to dobutamine and dopamine in

gravid ewe (Fishburne et al.), 944 vascular response to prostacyclin in nonpregnant sheep (Resnik and

Brink), 267

Utero, comparison between vaginal prostaglandin E2 suppositories and intrauterine extra-amniotic prostaglandins in management of fetal death in (Scher et al.), 769

intravenous prostaglandin E2 and 16-phenoxy prostaglandin E2 methyl sulfonylamide for induction of fetal death in (Gruber and Baumgarten), 8

reproductive significance of changes in endometrial cavity associated with exposure in, to diethylstilbestrol (Pillsbury), 178 upper genital tract changes and pregnancy outcome in offspring exposed in, to diethylstilbestrol (Kaufman et al.), 299

- Uteroabdominal sinus following cesarean section (Dessouky and Bolan), 147 (Comm. in brief)
- Uterus, time interval between luteinizing hormone peak and recovery of ova by transcervical flushing of, in normal women, III. Studies on duration of ovum transport by human oviduct (Díaz, Ortiz, and Croxatto), 116

- Vagina, basal cell-like carcinoma in upper third of (Naves, Monti, and Chichoni), 136 (Comm. in brief)
- Vaginal colonization with invasive Escherichia coli during pregnancy (Amstey, Lewin, and Colaice), 534
- (intra-) 15(S)-15-methyl prostaglandin F2α-methyl ester administration, postovulatory, ovum transport in rhesus monkey fol-lowing (Eddy), 966
- prostaglandin E2 suppositories and intrauterine extra-amniotic prostaglandins, comparison between, in management of fetal death in utero (Scher et al.), 769
- suppositories, prostaglandin E<sub>2</sub>, management of intrauterine fetal death with (Lauersen, Cederqvist, and Wilson), 753 (Clinical opinion)
- tubal ligation-Is infection significant risk? (Miesfeld, Giarratano, and Moyers), 183
- Vaginismus, therapy of, by hypnotic desensitization (Fuchs), 1 (Clinical opinion)
- Vaginitis, Haemophilus vaginalis, after twenty-five years (Gardner), 385 psychosexual functioning in symptomatic and asymptomatic women with and without signs of (McGuire, Guzinski, and Holmes),
- Variable decelerations and nonstress test: Indication of cord com-
- promise (O'Leary, Andrinopoulos, and Giordano), 704 Vascular response, uterine, to prostacyclin in nonpregnant sheep (Resnik and Brink), 267
- and uterine responses to dobutamine and dopamine in gravid ewe (Fishburne et al.), 944
- Venereal neoplasia, transmissible: Case report (Stein), 864 (Comm. in

- Verrucous lesions of female genitalia. I. Giant condylomata (Partridge et al.), 412
  - II. Verrucous carcinoma (Partridge et al.), 419
- Virus shedding, asymptomatic, after herpes genitalis (Adam et al.), 827 Viscosity, increased blood, in young women using oral contraceptives (Lowe et al.), 840
- Volumes, fetal body and fetal head, estimation of: Description of technique and nomograms for 18 to 41 weeks of gestation (Martinez and Barton), 78
- Vulvar carcinoma, invasive, significance of histologic alterations adjacent to (Buscema, Stern, and Woodruff), 902
- ectopic breast tissue mimicking periclitoral abscess (Reeves and Kaufman), 509 (Comm. in brief)

- Washington State, out-of-hospital delivery in, 1975 to 1977 (Shy, Frost, and Ullom), 547
- Weighing 1,500 grams or less, fetal heart rate monitoring in premature infants (Bowes, Gabbe, and Bowes), 791
- Weight, very-low-birth-, infants, changing trends of neonatal and postneonatal deaths in (Hack et al.), 797
- Womb rent (Pomerance, Schifrin, and Meredith), 486

- Xiphopagus conjoined twins: 300-year review of obstetric, morphopathologic, neonatal, and surgical parameters (Harper et al.), 617 (Current developments)
- X-ray pelvimetry, evaluation of usefulness of: Comparison of Thoms and modified Ball methods with manual pelvimetry (Fine, Bracken, and Berkowitz), 15

Young women using oral contraceptives, increased blood viscosity in (Lowe et al.), 840

# **Editors**

JOHN I. BREWER, Editor in Chief

FREDERICK P. ZUSPAN, E. J. QUILLIGAN, Editors

ALBERT B. GERBIE, Associate Editor

HOWARD C. TAYLOR, JR., ALLAN C. BARNES, Emeritus Editors

# Advisory committee on policy

C. D. Christian

Leo J. Dunn

George D. Malkasian

David Figge

Roy T. Parker

Fred T. Given

A. Brian Little

Edgar L. Makowski

George D. Malkasian

W. Ann Reynolds

J. C. G. Whetham

# Board of corresponding editors

Oscar Aguero, Caracas Frederick Kubli, Heidelberg Pierre O. Hubinont, Brussels Malcolm Symonds, Nottingham Ichiro Taki, Fukuoka

Volume 138 September-December, 1980 The C. V. Mosby Company St. Louis 1980 in addition to those listed on the front cover the Journal is the official publication of the following societies

NEW YORK OBSTETRICAL SOCIETY OBSTETRICAL SOCIETY OF PHILADELPHIA BROOKLYN GYNECOLOGICAL SOCIETY ST. LOUIS GYNECOLOGICAL SOCIETY NEW ORLEANS GYNECOLOGICAL AND OBSTETRICAL SOCIETY THE OBSTETRICAL AND GYNECOLOGICAL SOCIETY OF MARYLAND CHICAGO GYNECOLOGICAL SOCIETY CINCINNATI OBSTETRICAL AND GYNECOLOGICAL SOCIETY WASHINGTON GYNECOLOGICAL SOCIETY PITTSBURGH OBSTETRICAL AND GYNECOLOGICAL SOCIETY BOSTON OBSTETRICAL SOCIETY LOUISVILLE OBSTETRICAL AND GYNECOLOGICAL SOCIETY SEATTLE GYNECOLOGICAL SOCIETY ALABAMA ASSOCIATION OF OBSTETRICIANS AND GYNECOLOGISTS AKRON OBSTETRICAL AND GYNECOLOGICAL SOCIETY KANSAS CITY GYNECOLOGICAL SOCIETY CENTRAL NEW YORK ASSOCIATION OF GYNECOLOGISTS AND OBSTETRICIANS NEW JERSEY OBSTETRICAL AND GYNECOLOGICAL SOCIETY IOWA OBSTETRIC AND GYNECOLOGIC SOCIETY THE TEXAS ASSOCIATION OF OBSTETRICIANS AND GYNECOLOGISTS OKLAHOMA CITY OBSTETRICAL AND GYNECOLOGICAL SOCIETY MEMPHIS OBSTETRICAL AND GYNECOLOGICAL SOCIETY UTAH OBSTETRICAL AND GYNECOLOGICAL SOCIETY ROCHESTER OBSTETRICAL AND GYNECOLOGICAL SOCIETY ARKANSAS OBSTETRICAL AND GYNECOLOGICAL SOCIETY TENNESSEE STATE OBSTETRICAL AND GYNECOLOGICAL SOCIETY NEW YORK GYNECOLOGICAL SOCIETY PACIFIC NORTHWEST OBSTETRICAL AND GYNECOLOGICAL ASSOCIATION BUFFALO OBSTETRICAL AND GYNECOLOGICAL SOCIETY SAN FRANCISCO GYNECOLOGICAL SOCIETY JACKSON GYNECIC SOCIETY INDIANA OBSTETRICAL AND GYNECOLOGICAL SOCIETY THE MINNESOTA OBSTETRICAL AND GYNECOLOGICAL SOCIETY

Volume 138
Copyright © 1980 by The C. V. Mosby Company
(All rights reserved)

Printed in the United States of America

# Index to volume 138

# Author index\*

ABERNATHY, JAMES R. (see MEDINA ET AL.), 1142

ABITBOL, M. MAURICE, DEMETER, EMERICK, AND BENAROSH, THIERRY. Uterine and ovarian artery blood flow in the rhesus monkey near term, 414

ABRAMOVICI, ARMAND (see WASSERMAN ET AL.), 763, 769

ABRAMS, ROBERT (see SZETO ET AL.), 528

ABREU, ALFREDO (see WERTHEIN, ABREU, AND VALDES-VIVO), 1082

ABT, ARTHUR B. (see CHUNG ET AL.), 550

ACKER, DAVID, FRIGOLETTO, FREDRIC D., BIRNHOLZ, JASON C., UMANSKY, IRVING, PHILLIPPE, MARK, FINBERG, HARRIS J., AND LIEBERMAN, MARCUS. Ultrasound-facilitated intrauterine transfusion, 1200

Adashi, E. Y., Rebar, R. W., Ehara, Y., Naftolin, F., and Yen, S. S. C. Impact of acute surgical stress on anterior pituitary function in female subjects, 609

ADEEP, NAFISAH (see SINNATHURAY ET AL.), 868

ADLER, M. W. Trends for gonorrhea and pelvic inflammatory disease in England and Wales and for gonorrhea in a defined population, 901

AGREN, GÖRAN (see FALK, LUDVIKSSON, AND AGREN), 974 AHN, YOUNG W. (see GOLDBERG ET AL.), 436

ALADJEM, SILVIO (see LUECK AND ALADJEM), 288

ALBRECHT, RICHARD C., CEFALO, ROBERT C., AND O'BRIEN, WILLIAM F. Tularemia immunization in early pregnancy, 1226 (Comm. in brief)

ALEXANDER, E. R. (see WAGER ET AL.), 1028

ALLALOUF, DAVID (see WASSERMAN ET AL.), 763, 769

AMIEL-TISON, CLAUDINE. Possible acceleration of neurological matura-

tion following high-risk pregnancy, 303 Anday, Endla K. (see Nwosu et al..), 459 Andersen, Richard N. (see Wentz and Andersen), 364 Anderson, A. B. M. (see López Bernal et al.), 1168

ANDERSON, GARLAND D. (see MORRISON ET AL.), 99 ANDERSON, PAGE A. W., MANRING, ANDRÉS, AND CRENSHAW, CARLYLE, JR. Biophysics of the developing heart. I. The force-interval relationship, 33

-, AND -. Biophysics of the developing heart. II. The interaction of the force-interval relationship with inotropic state and muscle length (preload), 44

ANGERMAN, NEIL S. (see EVANS ET AL.), 648

ARYA, O. P., TABER, S. R., AND NSANZE, H. Gonorrhea and female infertility in rural Uganda, 929

Assali, N. S. (see Zugaib et al.), 444, 453

ATIENZA, MILAGROS F., BURKMAN, RONALD T., AND KING, THEODORE M. Midtrimester abortion induced by hyperosmolar urea and prosta, andin F2α in patients with previous cesarean section: Clinical course and potential for uterine rupture, 55

AVERETTE, HERVY E. (see HELMKAMP ET AL.), 395

AWOKE, S. (see DUNCAN ET Al.), 1059

— (see Perine et al.), 969

AZAR, E., BERNSTEIN, G. S., AND SHAW, S. T., JR. Tritiated water exchange in the human uterine cavity, 833

BAER, EDWARD C. (see WINIKOFF AND BAER), 105

BAILEY, A. (see NATHANIELSZ ET AL.), 653

BAIR, DONALD G. (see O'BRIEN, CEFALO, AND BAIR), 464

BANKS, JOYCE (see SWEET ET AL.), 952

BASHORE, R. A. (see STAISCH, WESTLAKE, AND BASHORE), 399 BASS, FIONA G. (see JANSEN ET AL.), 670

BATES, G. WILLIAM (see MORRISON ET AL.), 99

BEGUM, S. FIROZA. Pelvic infections following gynecologic procedures in Bangladesh, 875

BEIERLE, JOHN W. (see KLETZKY ET AL.), 660

BELL, THOMAS A., AND JAMES, JOHN F. Computer-assisted analysis of the therapy of acute salpingitis, 1048

BELSEY, M. A. (see MUIR AND BELSEY), 913

BENAROSH, THIERRY (see ABITBOL, DEMETER, AND BENAROSH), 414

BENEDETTI, THOMAS J. (see COTTON ET AL.), 6 BERGER, GARY S. (see EDELMAN AND BERGER), 541

(see KEITH ET AL.), 781

BERKOWITZ, RICHARD L. (see RAFFERTY AND BERKOWITZ), 263

BERMAN, ARNOLD M. (see GOLDSTEIN ET AL.), 232

BERNSTEIN, STEVEN G. (see COTTON ET AL.), 6

BERSTEIN, G. S. (see AZAR, BERSTEIN, AND SHAW), 833

BERTOLLI, SUSAN J. (see MARRS, BERTOLLI, AND KLETZKY), 620 BESCH, NORMA F. (see MILWIDSKY ET AL.), 93

BESCH, PAIGE K. (see MILWIDSKY ET AL.), 93

BHAGAVAN, BELUR (see GORDON ET AL.), 1120 BIRNHOLZ, JASON C. (see ACKER ET AL.), 1200

BIRK, S. A. (see SPELLACY, BUHI, AND BIRK), 151

BISCHOF, P., HUGHES, G., AND KLOPPER, A. Relationship of obstetric parameters to the concentration of pregnancy-associated plasma protein A, 494

BJÖRKHOLM, ELISABET. Granulosa cell tumors: A comparison of survi-

val in patients and matched controls, 329
BLACKARD, CAROL (see TENNES AND BLACKARD), 774

BLAIR, RICHARD A. (see MORRISON ET AL.), 99

BLANDFORD, PATRICIA D. (see KEELING ET AL.), 185 BLESSING, JOHN A. (see HRESHCHYSHYN ET AL.), 139

BOECKX, WILLY (see VASQUEZ ET AL.), 86

BOLOGNESE, RONALD J. (see NWOSU ET AL.), 459 BONGIOVANNI, ALFRED M. (see NWOSU ET AL.), 459

BOYCE, JOHN (see MACASAET ET AL.), 557

BOYD, R. D. H. (see WEEDON ET AL.), 422 BOYER, JEAN (see MERGER ET AL.), 68

BRANTLEY, KARLENE E. (see MARION ET AL.), 11

Braunstein, Glenn D., Rasor, Joan L., Engvall, Eva, and Wade, Maclyn E. Interrelationships of human chorionic gonadotropin, human placental lactogen, and pregnancy-specific B1glycoprotein throughout normal human gestation, 1205

BRAZY, JANE E. (see HAAGENSEN ET AL.), 25

Breckle, Robert (see Hill and Breckle), 1229

BREUILLER, M. (see FERRE ET AL.), 500 BRIGATI, DAVID (see MACASAET ET AL.), 557

BRINKMAN, C. R., III (see ZUGAIB ET AL.), 444, 453

BRODSKY, JAY B., COHEN, ELLIS N., BROWN, BYRON W., JR., WU, MAR-ION L., AND WHITCHER, CHARLES, Surgery during pregnancy and fetal outcome, 1165

BRONITSKY, CARL (see SULEWSKI ET AL.), 128

BROOKS, GEO. F. (see DRAPER ET AL.), 818, 996

(see SWEET ET AL.). 985

BROSENS, IVO (see VASQUEZ ET AL.), 86

BROWN, BYRON W., JR. (see BRODSKY ET AL.), 1165

BROWN, STUART T., AND WIESNER, PAUL J. Problems and approaches to the control and surveillance of sexually transmitted agents associated with pelvic inflammatory disease in the United States, 1096

(see St. John, Brown, and Tyler), 845

BROWN, WILLIAM E. (see CURRAN ET AL.), 1105

DE BRUX, J. (see HENRY-SUCHET ET AL.), 1022

BUCHANAN, T. M., ESCHENBACH, D. A., KNAPP, J. S., AND HOLMES, K. K. Gonococcal salpingitis is less likely to recur with Neisseria gonorrhoeae of the same principal outer membrane antigenic type, 978

BUCHHOLZ, RUDOLPH (see KALINKOV AND BUCHHOLZ), 1148

BUHI, W. C. (see SPELLACY, BUHI, AND BIRK), 151

BURKMAN, RONALD T. Intrauterine device use and the risk of pelvic inflammatory disease, 861

<sup>\*</sup>September 1, 1-120; September 15, 121-238; October 1, 239-356; October 15, 357-474; November 1, 475-598; November 15, 599-726; December 1, part 1, 727-844; part 2, 845-1112; December 15, 1113-1262.

(see ATIENZA, BURKMAN, AND KING), 55

BUSCEMA, JOSEPH, AND WOODRUFF, J. DONALD. Progressive histobiologic alterations in the development of vulvar cancer, 146

BUSTILLO, MARIA (see WORTHEN AND BUSTILLO), 759

CAIRNS, J. D. (see CHALVARDJIAN ET AL.), 391

CANNING, JANE F. (see WEEDON ET AL.), 422
CARITIS, STEVE N., AND ZELEZNIK, ANTHONY J. Effect of adrenergic agonists on progesterone production by human placental cells in culture, 677

(see EDELSTONE ET AL.), 703

CARLSON, CATHERINE (see Chow, CARLSON, AND SORRELL), 1003

CARROLL, LINDA (see MARION ET AL.), 11 CARTER, LORRAINE (see MORRISON ET AL.), 175

CATALAN, F. (see HENRY-SUCHET ET AL.), 1022

CEDARD, L. (see FERRE ET AL.), 500

CEFALO, ROBERT C. (see ALBRECHT, CEFALO, AND O'BRIEN), 1226

(see O'BRIEN, CEFALO, AND BAIR), 464

— (see O'Brien, Coddington, and Cefalo), 467 Chalvardiian, A., Picard, L., Shaw, R., Davey, R., and Cairns, I. D. Malacoplakia of the female genital tract, 391

CHAN, WAI-YEE, RICHICHI, JOANN, GRIESMANN, GUY E., CUSHING, WILLIAM, KLING, O. RAY, AND RENNERT, OWEN M. COPPET and ceruloplasmin activity in human amniotic fluid, 257

CHANEY, NANCY E. (see KRAYBILL, CHANEY, AND MCCARTHY), 793

CHATTERJEE, T. K. (see RATNAM, DIN, AND CHATTERJEE), 965 CHEANG, MARY (see MORRISON ET AL.), 175

CHELDELIN, LAWRENCE V. (see HEATH ET AL.), 343

CHEN, ANDREW T. L. (see GOLDBERG ET AL.), 436

CHI, I-CHENG, MUMFORD, STEPHEN D., AND LAUFE, LEONARD E. Technical failures in tubal ring sterilization: Incidence, perceived reasons, outcome, and risk factors, 307

CHIANG, W. T. (see WAGER ET AL.), 1028 CHONG, C. H. (see SINNATHURAY ET AL.), 868

CHOW, ANTHONY W., CARLSON, CATHERINE, AND SORRELL, TANIA C. Host defenses in acute pelvic inflammatory disease. I. Bacterial clearance in the murine uterus and oviduct, 1003

CHUNG, C. K., NAHHAS, WILLIAM A., STRYKER, JOHN A., CURRY, STEPHEN L., ABT, ARTHUR B., AND MORTEL, RODRIGUE. Analysis of factors contributing to treatment failures in Stages IB and IIA carcinoma of the cervix, 550

CIECHAN, RICK (see NELSON ET AL.), 466

CIFUENTES, ARMANDO (see MEDINA ET AL.), 1142 CLAPP, JAMES F., III, SZETO, HAZEL H., LARROW, RODNEY, HEWITT, JEAN, AND MANN, LEON I. Umbilical blood flow response to embolization of the uterine circulation, 60

(see SZETO ET AL.), 528 CLARK, K. E. (see SEEDS ET AL.), 604

CLEMONS, ANITA U. (see KEELING ET AL.), 185 CLEWELL, W. H., AND MESCHIA, G. Stimulus summation and tachy-

phylaxis in estrogen response in sheep, 485 CODDINGTON, CHARLES C. (see O'BRIEN, CODDINGTON, AND CEFALO), 467

COHEN, ELLIS N. (see BRODSKY ET AL.), 1165

COHN, HERBERT E., PIASECKI, GEORGE J., AND JACKSON, BENJAMIN T. The effect of fetal heart rate on cardiovascular function during hypoxemia, 1190

CONRAD, SUZANNE H. (see GUZINSKI AND CONRAD), 230

COOPERMAN, NORMAN R., AND RUIZ, GUSTAVO. Clinical aspects of progressive stages of acute pelvic infections, 1026 COPPIN, R. (see HENRY-SUCHET ET AL.), 1022

COTTON, DAVID B., BERNSTEIN, STEVEN G., READ, JOHN A., BENEDETTI,
THOMAS J., D'ABLAING, GERRIT, MILLER, FRANK C., AND
MORROW, C. PAUL, with the technical assistance of Flynn, GARY M. Hemodynamic observations in evacuation of molar

pregnancy, 6 Cotton, Ernest K., Hiestand, Mahlon, Philbin, George E., and Simmons, Michael. Re-evaluation of birth weights at high altitude, 220

COWAN, W., AND MORGAN, H. R. Abdominal sacral colpopexy, 348 (Comm. in brief)

CRANE, JAMES P., AND KOPTA, MAZIE M. Comparative newborn anthropometric data in symmetric versus asymmetric intrauterine

growth retardation, 518 CREASMAN, WILLIAM T. (see HRESHCHYSHYN ET AL.), 139

CREASY, ROBERT K. (see KATZ, GORDON, AND CREASY), 741

CRENSHAW, CARLYLE, JR. (see Anderson, Manring, and Crenshaw), 33, 44

CURCIO, FREDERICK D. (see SULEWSKI ET AL.), 128

CURRAN, JAMES W. Economic consequences of pelvic inflammatory disease in the United States, 848

-, SCHRADER, MARK V., MOYER, JANINE K., KRAMER, MARK A., LOS-SICK, JOSEPH G., AND BROWN, WILLIAM E. GONOTThea in the emergency department: Management, case follow-up, and contact tracing of cases in women, 1105

CURRY, STEPHEN L. (see CHUNG ET AL.), 550

CUSHING, WILLIAM (see CHAN ET AL.), 257

D'ABLAING, GERRIT (see COTTON ET AL.), 6 DAL COMPO, SHARON (see SABBAGHA ET AL.), 511 DALING, JANET R. (see WAGER ET AL.), 1028 DANIELL, W. C. (see PENNEY AND DANIELL), 345 DARROW, WILLIAM W. (see POTTERAT ET AL.), 1101

DAVEY, R. (see CHALVARDJIAN ET AL.), 391 DAVIDSON, B. J. (see NISKER ET AL.), 637

DAWES, G. S. (see THALER, GOODMAN, AND DAWES), 282

DAWOOD, M. YUSOFF, YLIKORKALA, OLIVA, AND FUCHS, FRITZ. Plasma oxytocin levels and disappearance rate after buccal Pitocin, 20

DE MOUZONS, JACQUES (see GRANDIEAN ET AL.), 790 DEBACHE, C. (see HENRY-SUCHET ET AL.), 1022 DELIVORIA-PAPADOPOULOS, MARIA (see NWOSU ET AL.), 459

DEMETER, EMERICK (see ABITBOL, DEMETER, AND BENAROSH), 414

DEPP, RICHARD (see KEITH ET AL.), 781

DESIR, DANIEL (see KIRKPATRICK, QUENON, AND DESIR), 523 DEVOE, LAWRENCE D. (see EVANS ET AL.), 648

DICKSON, LESLEY R. (see WILSON, JAWAD, AND DICKSON), 708

DILLING, LOUIS A. (see HAWORTH ET AL.), 1185 DILLON, MICHAEL B. (see LONG, RUDD, AND DILLON), 755

DIN, S. N. (see RATNAM, DIN, AND CHATTERJEE), 965

DÖBLER, JOHANNA (see MILNER, JONES, AND DÖBLER), 239 DONALDSON, MARCIA (see RAYBURN ET AL.), 223

Donchin, Y. (see Magora et al.), 260 Donegan, Elizabeth A. (see Draper et al.), 818, 996

(see SWEET ET AL.), 952

DONKERS, B., AND JANSONIUS, D. Fluorescein angiography in hypertensive pregnancies, 461 (Comm. in brief)

DONNELLY, WILLIAM H. (see RAMPHAL, DONNELLY, AND SMALL), 347 DORCHESTER, WENDY (see MODANLOU ET AL.), 1157

Douglas, Gordon W. (see Young ET AL.), 203

DRAKE, TERRANCE S., AND O'BRIEN, WILLIAM F. Hematocolpometra in the presence of normal menstruation, 346 (Comm. in brief)

Draper, Deborah L., Donegan, Elizabeth A., James, John F., Sweet, Richard L., and Brooks, George F. In vitro modeling of acute salpingitis caused by Neisseria gonorrhoeae, 996

-, AND -. Scanning electron microscopy of attachment of Neisseria gonorrhoeae colony phenotypes to surfaces of human genital epithelia, 818

(see SWEET ET AL.), 985

DUENHOELTER, JOHANN H. (see LEVENO ET AL.), 615 DUNCAN, M. E., PERINE, P. L., KRAUSE, D. W., AWOKE, S., AND ZAIDI, A. A. Pelvic inflammatory disease and puerperal sepsis in Ethiopia. II. Treatment, 1059

(see PERINE ET AL.), 969

DUNN, BRUCE E. (see MABEE, DUNN, AND SHERRER), 181 DUNN, L. J. (see KREBS ET AL.), 213

DYRENFURTH, INGE (see SCHWARTZ ET AL.), 801

E

EDELMAN, DAVID A., AND BERGER, GARY S. Contraceptive practice and tuboovarian abscess, 541

EDELSTONE, DANIEL I., MERICK, RUDOLPH E., CARITIS, STEVE N., AND MUELLER-HEUBACH, EBERHARD, Umbilical venous blood flow and its distribution before and during autonomic blockade in fetal lambs, 703

EHARA, Y. (see ADASHI ET AL.), 609

ELIAS, SHERMAN, GERBIE, ALBERT B., SIMPSON, JOE LEIGH, NADLER, HENRY L., SABBAGHA, RUDY E., AND SHKOLNIK, ARNOLD. Genetic amniocentesis in twin gestations, 169

(see SABBAGHA ET AL.), 511 ELLESTAD-SAYED, JUDITH J. (see HAWORTH ET AL.), 1185

ELLIOT, JOHN P., MODANLOU, HOUCHANG D., O'KEEFFE, DANIEL F., AND FEEEMAN, ROGER K. Significance of fetal and neonatal sinusoidal heart rate pattern: Further clinical observations in Rh incompatibility, 227 (Comm. in brief)

ELLIS, ROBERT (see KEITH ET AL.), 781 ELSAS, LOUIS J., II (see MARION ET AL.), 11 ENGVALL, EVA (see BRAUNSTEIN ET AL.), 1205 - (see O'BRIEN ET AL.), 313

ERKKOLA, RISTO (see ZUGAIB ET AL.), 444, 453

ESCHENBACH, DAVID A. (see HOLMES, ESCHENBACH, AND KNAPP), 893
— (see Buchanan et al.), 978

(see WAGER ET AL.), 1028 (see WANG ET AL.), 1034

ESKES, TOM K. A. B. (see VAN GEIJN ET AL.), 246

(see VAN DONGEN ET AL.), 1

EVANS, MARK I., HAJJ, SAMIR N., DEVOE, LAWRENCE D., ANGERMAN, NEIL S., AND MOAWAD, ATEF H. C-reactive protein as a predictor of infectious morbidity with premature rupture of membranes, 648

EVERETT, R. B. (see PARKER ET AL.), 626

### F

FALK, VIKING, LUDVIKSSON, KONRAD, AND AGREN, GÖRAN. Genital tuberculosis in women, 974

FARO, SEBASTIAN. Group B streptococcus and puerperal sepsis, 1219 (Comm. in brief)

Fein, Henry G., Goldman, Joel M., and Weintraub, Bruce D.
Postpartum lymphocytic thyroiditis in American women: A spectrum of thyroid dysfunction, 504 Fernhoff, Paul M. (see Marion et al.), 11

Ferre, F., Breuiller, M., Tanguy, G., Janssens, Y., and Cedard, L. Steroid concentrations and  $\Delta^s, 3\beta$ -hydroxysteroid dehydrogenase activity in human placenta, 500

FILSTEAD, WILLIAM (see KEITH ET AL.), 781 FINBERG, HARRIS J. (see ACKER ET AL.), 1200 FISH, ALFRED J. (see HOUSER ET AL.), 409

FIUMARA, NICHOLAS J. (see O'HARE, FIUMARA, AND MCCORMACK), 909

FLYNN, GARY M. (see COTTON ET AL.), 6 FONG, C. K. (see SINNATHURAY ET AL.), 868

FORMAN, EVELYN K. (see MORRISON ET AL.), 99 FORNEY, J. PETER. The effect of radical hysterectomy on bladder phys-

iology, 374 FORSYTHE, ALAN B. (see ZUGAIB ET AL.), 444, 453

FRANKL, OTTO (see KAPLINSKY, THALER, AND FRANKL), 237

Franz, Charlene (see Longcope, Hunter, and Franz), 564 FRASER, R. C. (see HEFFERNAN, FRASER, AND PURDY), 460

FREEMAN, ROGER K. (see ELLIOT ET AL.), 227

(see Modanlou et al.), 1157

FRENKEL, YAIR (see MENCZER, FRENKEL, AND SERR), 352

FREUNDT, EYVIND A. (see Møller, Freundt, and Mårdh), 990 FRIGOLETTO, FREDRIC D. (see Acker et al.), 1200

FRUCHTER, RACHEL (see MACASAET ET AL.), 557

FRUMAR, A. M. (see NISKER ET AL.), 637

FUCHS, FRITZ (see DAWOOD, YLIKORKALA, AND FUCHS), 20

## G

GALL, STANLEY A. (see HAAGENSEN ET AL.), 25

GANT, N. F. (see PARKER ET AL.), 626

GARFIELD, R. E., AND HAYASHI, R. H. Presence of gap junctions in the myometrium of women during various stages of menstruation, 569

VAN GEIJN, HERMAN P., JONGSMA, HENK W., DE HAAN, JELTE, AND ESKES, TOM K. A. B. Analysis of heart rate and beat-to-beat variability: Interval difference index, 246

GENADRY, RENE (see GINSBURG ET AL.), 1055

GERBIE, ALBERT B. (see ELIAS ET AL.), 169

(see SABBAGHA ET AL.), 511

GIANNOLA, JAN (see HAAGENSEN ET AL.), 25 GIESE, CHRISTA (see SCHOTTEN AND GIESE), 463

GILLIESON, MARTIN (see MURAM, GILLIESON, AND WALTERS), 16

GINSBURG, DAVID S., STERN, JEFFREY L., HAMOD, KAMAL A., GENADRY, RENE, AND SPENCE, MICHAEL R. Tubo-ovarian abscess: A retrospective review, 1055

GOEBELSMANN, UWE (see LOBO AND GOEBELSMANN), 720

(see LOBO ET AL.), 632, 714

GOLDBERG, MARSHALL F., CHEN, ANDREW T. L., AHN, YOUNG W., AND REIDY, JOHN A. First-trimester fetal chromosomal diagnosis using endocervical lavage: A negative evaluation, 436

GOLDE, STEVEN H. (see STRASSNER ET AL.), 697

GOLDMAN, JACK A. (see WASSERMAN ET AL.), 763, 769 GOLDMAN, JOEL M. (see FEIN, GOLDMAN, AND WEINTRAUB), 504

GOLDSTEIN, ARNOLD S., MANGURTEN, HENRY H., LIBRETTI, JOSEPH V., AND BERMAN, ARNOLD M. Lecithin/sphingomyelin ratio in

amniotic fluid obtained vaginally, 232 (Comm. in brief) GOODMAN, J. D. S. (see THALER, GOODMAN, AND DAWES), 282 GOPLERUD, DEAN R. (see SCHNEIDER, WALSH, AND GOPLERUD), 350 GORDON, ALAN, ROSENSHEIN, NEIL, PARMLEY, TIM, AND BHAGAVAN, Belur. Benign cystic teratomas in postmenopausal women, 1120

GORDON, DAVID B. (see KATZ, GORDON, AND CREASY), 741 GORDON, THOMAS (see GRANAT ET AL.), 233

GRANAT, MENACHEM, GORDON, THOMAS, ISSAQ, ELIAS, AND SHABTAI, MOSHE. Accidental puncture of pelvic kidney: A rare complication of culdocentesis, 233 (Comm. in brief)

GRANDJEAN, HÉLEN, SARRAMON, MARIE-FRANCE, DE MOUZON, JACQUES, REME, JEAN-MICHEL, AND PONTONNIER, GEORGES. Detection of gestational diabetes by means of ultrasonic diagnosis of excessive fetal growth, 790

GRAYSTON, J. THOMAS (see WANG ET AL.), 1034

Greenblatt, Robert B. (see Nezhat et al.), 1151 Gregg, C. R., Melly, M. A., and McGee, Z. A. Gonococcal lipopolysaccharide: A toxin for human fallopian tube mucosa,

GRIESMANN, GUY E. (see CHAN ET AL.), 257

GROSS, THOMAS L., AND SOKOL, ROBERT J. Severe hypokalemia and acidosis: A potential complication of beta-adrenergic treatment, 1225 (Comm. in brief)

GRUTTERS, GERRIE (see PEETERS, GRUTTERS, AND MARTIN), 1177 GURPIDE, ERLIO (see HOLINKA AND GURPIDE), 599

(see MAROVITZ ET AL.), 643

GUZINSKI, GAY M., AND CONRAD, SUZANNE H. Pseudocyesis and sonography, 230 (Comm. in brief)

HAAGENSEN, DARROW E., JR., GALL, STANLEY A., BRAZY, JANE E., GIANNOLA, JAN, AND WELLS, SAMUEL A., JR. Analysis of amni-otic fluid, maternal plasma, and cord blood for a human breast gross cystic disease fluid protein, 25

(see HOOGLAND, DE HAAN, AND MARTIN), 441

DE HAAN, JELTE (see VAN GEIJN ET AL.), 246

HADLEY, W. K. (see Sweet et al.), 985 HAGENFELDT, KERSTIN, AND SZANTO, ERIKA. Sacroiliitis in women—A late sequela to acute salpingitis, 1039 HAJJ, SAMIR N. (see EVANS ET AL.), 648

Håkanson, R. (see Walles et al.), 337

HAMMOND, CHARLES B. (see QUIGLEY, TYREY, AND HAMMOND), 545

(see Vaughn, Surwit, and Hammond), 73

HAMMOND, G. L. (see NISKER ET AL.), 637 HAMOD, KAMAL A. (see GINSBURG ET AL.), 1055

HARBERT, GUY M., JR., AND SPISSO, KENNETH R. Biorhythms of the primate uterus (Macaca mulatta) during labor and delivery, 686

HARDING, R. (see NATHANIELSZ ET AL.), 653

HARRIS, ESTUS A. (see KEELING ET AL.), 185

HARTIKAINEN-SORRI, ANNA-LIISA (see KAUPPILA ET AL.), 404

HATCHER, ROGER (see KEITH ET AL.), 781

HAVERKOS, HARRY W. (see KAM ET AL.), 351

HAWORTH, J. C., ELLESTAD-SAYED, JUDITH J., KING, JEAN, AND DILLING, Louis A. Relation of maternal cigarette smoking, obesity, and energy consumption to infant size. 1185

HAYASHI, R. H. (see GARFIELD AND HAYASHI), 569

(see VALENZUELA ET AL.), 1223

HEATH, RICHARD E., JR., ROGERS, JACK A., JR., CHELDELIN, LAWRENCE V., AND KILLAM, ALLEN P. Streptococcus sanguis sepsis and meningitis: A complication of vacuum extraction, 343 (Comm. in brief)

HEFFERNAN, L. P. M., FRASER, R. C., AND PURDY, R. A. L-5 Radiculopathy secondary to a uterine leiomycon, in a primigravid patient, 460 (Comm. in brief)

HELM, G. (see Walles et al.), 337 HELMKAMP, B. FREDERICK, KREBS, HANS-B., ISIKOFF, MICHAEL B., POLIAKOFF, STEVEN R., AND AVERETTE, HERVY E. Para-aortic lymphocyst, 395

HENDRIX, JAMES W. (see MORRISON ET AL.), 99

HENRIQUES, E. S. (see Joshi et al.), 1131 HENRY-SUCHET, J., CATALAN, F., LOFFREDO, V., SERFATY, D., SIBOULET, A., PEROL, Y., SANSON, M. J., DEBACHE, C., PIGEAU, F., COPPIN, R., DE BRUX, J., AND POYNARD, T. Microbiology of specimens obtained by laparoscopy from controls and from patients with pelvic inflammatory disease or infertility with tubal obstruction: Chlamydia trachomatis and Ureaplasma urealyticum, 1022

HERNANDEZ, ENRIQUE, AND WOODRUFF, J. DONALD. Endometrial adenocarcinoma arising in adenomyosis, 827

HERTZ, ROGER H. (see ZADOR ET AL.), 344

HEWITT, JEAN (see CLAPP ET AL.), 60

HIESTAND, MAHLON (see COTTON ET Al.), 220

HILL, LYNDON M., AND BRECKLE, ROBERT. The Trendelenburg position for obstetric ultrasound, 1229 (Comm. in brief)

HIRSCH, VICTOR J. (see ZADOR ET AL.), 344 HITT, JOHN R. (see SEHGAL AND HITT), 165

Ho, P. C., AND JONES, W. R. Pregnancy-specific β<sub>1</sub>-glycoprotein as a prognostic indicator in complications of early pregnancy, 253 Ho Yuen, Basil, and Korn, Gerald W. Prolactin and the renin-

aldosterone axis in human pregnancy, 788
HOLINKA, CHRISTIAN F., AND GURPIDE, ERLIO. Peroxidase activity in glands and stroma of human endometrium, 599

HOLMES, KING K., ESCHENBACH, DAVID A., AND KNAPP, JOAN S. Salpingitis: Overview of etiology and epidemiology, 893 (see Buchanan et al.), 978

(see WAGER ET AL.), 1028

(see WANG ET AL.), 1034 HOOGLAND, HENK J., DE HAAN, JELTE, AND MARTIN, CHESTER B., JR. Placental size during early pregnancy and fetal outcome: A preliminary report of a sequential ultrasonographic study,

HORGER, EDGAR O., III (see KEY ET AL.), 731

HOUSER, MARK T., FISH, ALFRED J., TAGATZ, GEORGE E., WILLIAMS, PRESTON P., AND MICHAEL, ALFRED F. Pregnancy and systemic

lupus crythematosus, 409

Hreshchyshyn, Myroslaw M., Park, Robert C., Blessing, John A., Norris, Henry J., Levy, David, Lagasse, Leo D., and Сreasman, William T. The role of adjuvant therapy in Stage I ovarian cancer, 139

HUGHES, G. (see BISCHOF, HUGHES, AND KLOPPER), 494

Huisjes, H. J. (see Visser et al.), 429

HUNTER, RICHARD (see LONGCOPE, HUNTER, AND FRANZ), 564

IGARASHI, MASAO (see YAZAKI ET AL.), 189 INTURRISI, CHARLES E. (see SZETO ET AL.), 528 ISIKOFF, MICHAEL B. (see HELMKAMP ET AL.), 395 ISSAQ, ELIAS (see GRANAT ET AL.), 233

JACKSON, BENJAMIN T. (see COHN, PIASECKI, AND JACKSON), 1190 JACOBS, BARRY R., SUCHOCKI, SUSAN, AND SMITH, ROY G. Evidence for a human ovarian progesterone receptor, 332

JACOBSON, LENNART. Differential diagnosis of acute pelvic inflamma-

tory disease, 1006 James, John F. (see Bell and James), 1048

(see Draper et al.), 818, 996

Jansen, C. A. M., Bass, Fiona G., Lowe, K. C., and Nathanielsz, P. W. Comparison of continuous transcutaneous and continuous intravascular Po2 measurement in fetal sheep, 670

Jansonius, D. (see Donkers and Jansonius), 461

JANSSENS, Y. (see FERRE ET AL.), 500

JARABAK, JOSEPH. Early steps in prostaglandin metabolism in the human placenta, 534

JÄRVINEN, PENTTI A. (see KAUPPILA ET AL.), 404

JAWAD, M. J. (see WILSON, JAWAD, AND DICKSON), 708

JEWELEWICZ, RAPHAEL (see SCHWARTZ ET AL.), 801

JONES, BENNIE R. (see MILNER, JONES, AND DÖBLER), 239

JONES, HOWARD W., JR. (see ROCK AND JONES), 339

JONES, OSCAR G., ZAIDI, AKBAR A., AND ST. JOHN, RONALD K. Frequency and distribution of salpingitis and pelvic inflammatory disease in short-stay hospitals in the United States, 905

JONES, W. R. (see HO AND JONES), 253 JONGSMA, HENK W. (see VAN GEIJN ET AL.), 246

JORGENSON, R. J. (see Phansey et al.), 133 Joshi, S. G., Henriques, E. S., Smith, R. A., and Szarowski, D. H. Progestogen-dependent endometrial protein in women: Tissue concentration in relation to developmental stage and to serum hormone levels, 1131

Judd, H. L. (see Nisker et al.), 637 Junqueira, L. C. U., Zugaib, M., Montes, G. S., Toledo, O. M. S., Krisztán, R. M., and Shigihara, K. M. Morphologic and histochemical evidence for the occurrence of collagenolysis and for the role of neutrophilic polymorphonuclear leukocytes during cervical dilation, 273

KADNER, SUSAN (see SCHIFF ET AL.), 1137 KAIRO, ROBERT F. (see SZETO ET AL.), 528 KALINKOV, DIMITRE, AND BUCHHOLZ, RUDOLPH. Early primary diagnosis of ovarian cancer and detection of recurrence by serum

cystine aminopeptidase assay, 1148
KAM, WING K., HAVERKOS, HARRY W., RODMAN, HARVEY M., SCHMELTZ, RALPH, AND VAN THIEL, DAVID H. Human pasteurellosis: The first reported case of Pasteurella multocida septicemia and

peritonitis during pregnancy, 351 (Comm. in brief)
KAPLINSKY, NAOMI, THALER, MICHAEL, AND FRANKL, OTTO. Oral
contraceptive—induced chorea, 237 (Comm. in brief)

KAPTEIN, ELAINE M. (see LOBO ET Al.), 632

KARPAS, ANTHONY E. (see NEZHAT ET AL.), 1151

KASSAM, GULZAR (see MARION ET AL.), 11

KATZ, MICHAEL, GORDON, DAVID B., AND CREASY, ROBERT K. Increased pressor activity in incubated plasma of pregnant rabbits, 741

KATZ, MIRIAM (see YOUNG ET AL.), 203

KAUFMAN, RAYMOND H. (see MILWIDSKY ET AL.), 93

KAUPPILA, A., AND YLIKORKALA, O. Stable prolactin level after en-hanced estradiol production following dehydroepiandros-terone sulfate, 271

-, HARTIKAINEN-SORRI, ANNA-LIISA, JÄNNE, OLLI, TUIMALA, RISTO, AND JÄRVINEN, PENTTI A. Suppression of threatened premature labor by administration of cortisol and 17α-hydroxypro-

gesterone caproate: A comparison with ritodrine, 404
KAWAI, YASUO (see SATOH ET AL.), 748
KEELING, MARIE M., LAVERY, J. PATRICK, CLEMONS, ANITA U.,
SCHAEFER, ROBERT L., BLANDFORD, PATRICIA D., AND HARRIS, ESTUS A. Red cell exchange in the pregnancy complicated by a major hemoglobinopathy, 185

KEITH, DONALD M. (see KEITH ET AL.), 781

KEITH, LOUIS, ELLIS, ROBERT, BERGER, GARY S., AND DEPP, RICHARD, with the technical assistance of Filstead, William, HATCHER, ROGER, AND KEITH, DONALD M. The Northwestern University multihospital twin study. I. A description of 588 twin pregnancies and associated pregnancy loss, 1971 to 1975, 781 Key, Thomas C., Horger, Edgar O., III, Walker, Ernest M., Jr., and

MITCHUM, ERNESTINE N. Automated erythrocytopheresis for sickle cell anemia during pregnancy, 731 KILLAM, ALLEN P. (see HEATH ET AL.), 343

KINCHELOE, BRADFORD W. (see MORRISON ET AL.), 99

KING, JEAN (see HAWORTH ET AL.), 1185

KING, THEODORE M. (see ATIENZA, BURKMAN, AND KING), 55

KINOSHITA, KATSUYUKI (see SATOH ET AL.), 748
KIRKPATRICK, CHRISTINE, QUENON, MARIANNE, AND DESIR, DANIEL. Blood anions and electrolytes during ritodrine infusion in preterm labor, 523

KLEIN, LUELLA (see MARION ET AL.), 11

KLEIN, LUELLA (See MARION ET AL.), 11
KLEIN, STEVEN A. (See YOUNG ET AL.), 203
KLETZKY, OSCAR A., MARRS, RICHARD P., RUNDALL, TOSHIKO T., WEISS,
MARTIN H., AND BEIERLE, JOHN W. Monolayer and suspension
culture of human prolactin-secreting pituitary adenoma,

(see Marrs, Bertolli, and Kletzky), 620

(see Lobo et al.), 632

KLING, O. RAY (see CHAN ET AL.), 257

KLOPPER, A. (see BISCHOF, HUGHES, AND KLOPPER), 494 KNAPP, JOAN S. (see HOLMES, ESCHENBACH, AND KNAPP), 893

(see BUCHANAN ET AL.), 978

KNAUF, SUZANNE, AND URBACH, GERALD I. A study of ovarian cancer patients using a radioimmunoassay for human ovarian tumor-associated antigen OCA, 1222 (Comm. in brief)

KOCHAR, M. Etiology of pelvic infections treated by the gynecologic service of the Kasturba Hospital, Delhi, India, 872

KOPTA, MAZIE M. (see CRANE AND KOPTA), 518

KORN, GERALD W. (see Ho YUEN AND KORN), 738

KOUTSKY, LAURA (see WAGER ET AL.), 1028

KRAMER, DORINE G. (see SENANAYAKE AND KRAMER), 852 KRAMER, MARK A. (see CURRAN ET AL.), 1105

KRAUSE, D. W. (see DUNCAN ET AL.), 1059

(see PERINE ET AL.), 969

Krauss, Ronald M. (see Lobo et al.), 714 Kraybill, Ernest N., Chaney, Nancy E., and McCarthy, Laurence R. Transplacental ampicillin: Inhibitory concentrations in neonatal serum, 793

Krebs, H. B., Petres, R. E., Dunn, L. J., and Segrett, A. Intrapartum fetal heart rate monitoring. IV. Observations on elective and nonelective fetal heart rate monitoring, 213

— (see Helmkamp et al.), 395 Krisztan, R. M. (see Junqueira et al.), 273

KUO-FEN, CHENG, WEI-YU, WU, MIN-YI, TANG, AND PENG-TI, CHU. Endometrial changes after administration of gossypol for menorrhagia, 1227 (Comm. in brief)

KUSMIK, WILLIAM F. (see LUCIANO ET AL.), 665

1.

LACKRITZ, RICHARD M. (see VALENZUELA ET AL.), 1223 LAGASSE, LEO D. (see HRESHCHYSHYN ET AL.), 139

LARROW, RODNEY (see CLAPP ET AL.), 60 (see SZETO ET AL.), 528

LAUFE, LEONARD E. (see CHI, MUMFORD, AND LAUFE), 307

LAVERY, J. PATRICK (see KEELING ET AL.), 185

LEDGFR, WILLIAM J. Laparoscopy in the diagnosis and mangement of patients with suspected salpingo-oophoritis, 1012 (see MÜLLER ET AL.), 808

LENKE, ROGER, AND OSTERKAMP, TERRE. A prolapsed umbilical cord into the abdominal cavity in a woman with a previous cesarean section, 1224 (Comm. in brief)

Leung, L. S. (see Seeds et al.), 604 Leveno, Kenneth J., Santos-Ramos, Rigoberto, Duenhoelter, Johann H., Reisch, Joan S., and Whalley, Peggy J. Sonar cephalometry in twin pregnancy: Discordancy of the bipari-etal diameter after 28 weeks' gestation, 615

LEVITZ, MORTIMER (see SCHIFF ET AL.), 1137

LEVY, DAVID (see HRESI:CHYSHYN ET AL.), 139

LIBRETTI, JOSEPH V. (see GOLDSTEIN ET AL.), 232 LIEB, STEPHEN M. (see ZUGAIB ET AL.), 444, 453

LIEBERMAN, MARCUS (see ACKER ET AL.), 1200

LIEDHOLM, P. (see OSSER, LIEDHOLM, AND SJÖBERG), 864

LOBO, ROGERIO A., AND GOEBELSMANN, UWE. Adult manifestation of congenital adrenal hyperplasia due to incomplete 21-hydroxylase deficiency mimicking polycystic ovarian disease,

-, KLETZKY, OSCAR A., KAPTEIN, ELAINE M., AND GOEBELSMANN, UWE. Prolactin modulation of dehydroepiandrosterone sulfate secretion, 632

-, MARCH, CHARLES M., GOEBELSMANN, UWE, KRAUSS, RONALD M., AND MISHELL, DANIEL R., JR. Subdermal estradiol pellets following hysterectomy and oophorectomy, 714

LOFFREDO, V. (see HENRY-SUCHET ET AL.), 1022

LONG, WILLIAM H., RUDD, EUGENE G., AND DILLON, MICHAEL B. Intrauterine irrigation with cefamandole nafate solution at cesarean section: A preliminary report, 755

LONGCOPE, CHRISTOPHER, HUNTER, RICHARD, AND FRANZ, CHARLENE.

Steroid secretion by the postmenopausal ovary, 564 LÓPEZ BERNAL, A., ANDERSON, A. B. M., PARRY, D. M., AND TURNBULL,

A. C. Evidence that fetal membranes are not involved in cortisol metabolism: Study of dichorionic twin pregnancies, 1168

LOSADA, MANUEL (see PITTMAN ET AL.), 797 LOSSICK, JOSEPH G. (see CURRAN ET AL.), 1105

LOTT, JOHN A. (see STEMPEL AND LOTT), 1173

LOUCOPOULOS, A. (see MAROVITZ ET AL.), 643

LOWE, K. C. (see Jansen et al.), 670 Luciano, Anthony A., Maslar, Ila A., Kusmik, William F., and RIDDICK, DANIEL H. Stimulatory activity of serum on prolactin production by human decidua, 665

LUDVIKSSON, KONRAD (see FALK, LUDVIKSSON, AND AGREN), 974 LUECK, JUDITH, AND ALADJEM, SILVIO. Time-lapse study of normal human trophoblast in vitro, 288

M

MABEE, LEE M., JR., DUNN, BRUCE E., AND SHERRER, C. WILLIS. Electrocardiographic changes induced by suction curettage for elective termination of pregnancy, 181

MACASAET, MILAGROS, BRIGATI, DAVID, BOYCE, JOHN, NICASTRI, AN-THONY, WAXMAN, MARIAN, NELSON, JAMES, AND FRUCHTER, RACHEL. The significance of residual disease after radiotherapy in endometrial carcinoma: Clinicopathologic correlation,

McCarthy, Laurence R. (see Kraybill, Chaney, and McCarthy), 793

MCCARTMY, THOMAS A. (see WHITE ET AL.), 235 MCCORMACK, WILLIAM M. (see O'HARE, FIUMARA, AND MCCORMACK),

MACDONALD, P. C. (see PARKER ET AL.), 626

McGee, Z. A. (see Greeg, Melly, and McGee), 981
MacKenzie, I. Z., and MacLean, D. A. Pure fetal blood from the umbilical cord obtained at fetoscopy: Experience with 125 consecutive cases, 1214

MACLEAN, D. A. (see MACKENZIE AND MACLEAN), 1214

McNamara, Sharilyn (see Morrison et al.), 175 McPherson, James, Jr. (see Nelson et al.), 466

McQuown, Dennis (see White et al.), 235 MADUSKA, ALBERT L. (see PITTMAN ET AL.), 797

MAGORA, FLORELLA, DONCHIN, Y., OLSHWANG, D., AND SCHENKER, J. G. Epidural morphine analgesia in second-trimester induced abortion, 260

MAHESH, VIRENDRA B. (see NEZHAT ET AL.), 1151
MAKLER, AMNON, AND ZINDER, OREN. The effect of copper on spermatozoal motility and viability evaluated objectively with the aid of the multiple-exposure photography method, 156

MANGURTEN, HENRY H. (see GOLDSTEIN ET AL.), 232 MANN, LEON I. (see CLAPP ET AL.), 60

(see SZETO ET AL.), 528

MANRING, ANDRÉS (see ANDERSON, MANRING, AND CRENSHAW), 33,

MARCH, CHARLES M. (see LOBO ET AL.), 714

Mårdh, Per-Anders. An overview of infectious agents of salpingitis, their biology, and recent advances in methods of detection,

(see Møller, Freundt, and Mardh), 990

(see RIPA ET AL.), 960

(see Svensson et al.), 1017

MARION, JANET P., KASSAM, GULZAR, FERNHOFF, PAUL M., BRANTLEY, KARLENE E., CARROLL, LINDA, ZACHARIAS, JUNE, KLEIN, LUELLA, PRIEST, JEAN H., AND ELSAS, LOUIS J., II. Acceptance of amniocentesis by low-income patients in an urban hospital,

MAROVITZ, W., LOUCOPOULOS, A., SATYASWAROOP, P. G., GURPIDE, E., TODD, R., AND NAFTOLIN, F. Apparent immunologic non-identity of human placental and endometrial 17β-estradiol dehydrogenase, 643

MARRS, RICHARD P., BERTOLLI, SUSAN J., AND KLETZKY, OSCAR A. The use of thyrotropin-releasing hormone in distinguishing prolactin-secreting pituitary adenoma, 620

— (see KLETZKY ET AL.), 660

MARTIN, CHESTER B., JR. (see HOOGLAND, DE HAAN, AND MARTIN), 441
— (see Peeters, Grutters, and Martin), 1177

(see VAN DONGEN ET AL.), 1

MARTIN, DAN C. (see MORRISON ET AL.), 99

MARTIN, DAVID H. (see WAGER ET AL.), 1028

MASLAR, ILA A. (see ROSENBERG, MASLAR, AND RIDDICK), 681
— (see LUCIANO ET AL.), 665

MATHUR, R. S. (see PHANSEY ET AL.), 133

MEAD, PHILIP B. (see PASNICK, MEAD, AND PHILIP), 480

MEDINA, JORGE E., CIFUENTES, ARMANDO, ABERNATHY, JAMES R., SPIELER, J. M., AND WADE, MACLYN E. Comparative evaluation of two methods of natural family planning in Colombia, 1142

MEHEUS, ANDRE Z. Surveillance, prevention, and control of sexually transmitted agents associated with pelvic inflammatory dis-

MEINGASSNER, JOSEF G. (see MÜLLER ET AL.), 808 MELLY, M. A. (see GREGG, MELLY, AND MCGEE), 981

MENCZER, JOSEPH, FRENKEL, YAIR, AND SERR, DAVID M. Hysterosalpingography in young infertile patients with unsuspected endometrial adenocarcinoma, 352 (Comm. in brief)

MERGER, CHARLES, VALETTE, ANNE, RUF, HENRI, AND BOYER, JEAN. Characterization of triacylglycerol lipase activity in human amniotic fluid, 68

MERICK, RUDOLPH E. (see EDELSTONE ET AL.), 703

MESCHIA, G. (see CLEWELL AND MESCHIA), 485 METTLER, L. (see SEMM AND METTLER), 121

MICHAEL, ALFRED F. (see Houser et al.), 409

MILLER, FRANK C. (see COTTON ET AL.), 6

MILLER, WAYNE A. (see MÜLLER ET AL.), 808 MILNER, PAUL F., JONES, BENNIE R., AND DÖBLER, JOHANNA. Outcome of pregnancy in sickle cell anemia and sickle cell-hemoglobin C disease, 239

MILWIDSKY, ARIEL, YOUNES, MUAZAZ A., BESCH, NORMA F., BESCH, PAIGE K., AND KAUFMAN, RAYMOND H. Receptor-like binding proteins for testosterone and progesterone in the human ovary, 93

MIN-YI, TANG (see KUO-FEN ET AL.), 1227

MISHELL, DANIEL R., JR. (see LOBO ET AL.), 714 MITCHUM, ERNESTINE N. (see KEY ET AL.), 731

MITSUHASHI, NAOKI (see SATOH ET AL.), 748 MOAWAD, ATEF H. (see Evans et al.), 648

- MODANLOU, HOUCHANG D., DORCHESTER, WENDY, FREEMAN, ROGER K., AND ROMMAL, CATHERINE. Perinatal transport to a regional perinatal center in a metropolitan area: Maternal versus neonatal transport, 1157
- (see ELLIOT ET AL.), 227
- MØLLER, BIRGER R., FREUNDT, EYVIND A., AND MARDH, PER-ANDERS. Experimental pelvic inflammatory disease provoked by Chlamydia trachomatis and Mycoplasma hominis in grivet monkevs. 990
- MONTES, G. S. (see JUNQUEIRA ET AL.), 273
- MORGAN, H. R. (see COWAN AND MORGAN), 348 MORRISON, IAN, CARTER, LORRAINE, MCNAMARA, SHARILYN, AND CHEANG, MARY. A simplified intrapartum numerical scoring system, 175
- MORRISON, JOHN C., MARTIN, DAN C., BLAIR, RICHARD A., ANDERSON, GARLAND D., KINCHELOE, BRADFORD W., BATES, G. WILLIAM, HENDRIX, JAMES W., RIVLIN, MICHEL E., FORMAN, EVELYN K., PROPST, MAUREEN G., AND NEEDHAM, ROBERT. The use of medroxyprogesterone acetate for relief of climacteric symptoms, qq
- MORROW, C. PAUL (see COTTON ET AL.), 6
- (see O'BRIEN ET AL.), 313
- (see PETRILLI ET AL.), 321
- MORTEL, RODRIGUE (see Chung et al.), 550
- MOSLEY, GLADYS H. (see STRASSNER ET AL.), 697 MOTLEY, MARY ELLEN (see RAYBURN ET AL.), 223
- MOYER, JANINE K. (see CURRAN ET AL.), 1105
- MUELLER-HEUBACH, EBERHARD (see EDELSTONE ET AL.), 703
- MUIR, D. G., AND BELSEY, M. A. Pelvic inflammatory disease and its
- consequences in the developing world, 913 Müller, Miklós, Meingassner, Josef G., Miller, Wayne A., and LEDGER, WILLIAM J. Three metronidazole-resistant strains of Trichomonas vaginalis from the United States, 808
- MUMFORD, STEPHEN D. (see CHI, MUMFORD, AND LAUFE), 307
- MURAD, S. (see ZUGAIB ET AL.), 453
- MURAM, DAVID, GILLIESON, MARTIN, AND WALTERS, JACK H. Myomas of the uterus in pregnancy: Ultrasonographic follow-up, 16

## N

- NADLER, HENRY L. (see Elias et al.), 169
- NAFTOLIN, F. (see Adashi et al.), 609
- (see Marovitz et al.), 643 Nahhas, William A. (see Chung et al.), 550
- NAKAO, CALVIN Y. (see PETRILLI ET AL.), 321
- NATHANIELSZ, P. W., BAILEY, A., POORE, E. R., THORBURN, G. D., AND HARDING, R. The relationship between myometrial activity and sleep state and breathing in fetal sheep throughout the last third of gestation, 653
- (see JANSEN ET AL.), 670
- NEEDHAM, ROBERT (see MORRISON ET AL.), 99
- Nelson, George H. Consideration of blood loss at delivery as percent-
- age of estimated blood volume, 1117 (Clinical opinion)

  —, McPherson, James, Jr., Perling, Lance, and Ciechan, Rick. The effect of maternal dietary fat on fetal pulmonary maturation in rats, 466 (Comm. in brief)
- NELSON, JAMES (SEE MACASAET ET AL.), 557

  NEZHAT, CAMRAN, KARPAS, ANTHONY E., GREENBLATT, ROBERT B., AND
  MAHESH, VIRENDRA B. Estradiol implants for conception control, 1151
- NICASTRI, ANTHONY (see MACASAET ET AL.), 557
- NISKER, J. A., HAMMOND, G. L., DAVIDSON, B. J., FRUMAR, A. M., TAKAKI, N. K., JUDD, H. L., AND SIITERI, P. K. SERUM SEX hormone-binding globulin capacity and the percentage of free estradiol in postmenopausal women with and without endometrial carcinoma, 637
- NISULA, BRUCE C., AND TALIADOUROS, GEORGE S. Thyroid function in gestational trophoblastic neoplasia: Evidence that the thyrotropic activity of chorionic gonadotropin mediates the thyrotoxicosis of choriocarcinoma, 77
- NORRIS, HENRY J. (see HRESHCHYSHYN ET AL.), 139
- NSANZE, H. Problems and approaches in the surveillance and control of sexually transmitted agents associated with pelvic inflammatory disease in Africa, 1088
- (see Arya, Taber, and Nsanze), 929 Nuwayhid, Bahij (see Zugaib et al.), 444, 453
- NWOSU, UCHENNA C., ANDAY, ENDLA K., BOLOGNESE, RONALD J., BON-GIOVANNI, ALFRED M., AND DELIVORIA-PAPADOPOULOS, MARIA. Effects of in utero intravenous administration of thyroxine and other hormones on the lung fluid lecithin/sphingomyelin ratio in the fetal lamb, 459 (Comm. in brief)

- 0
- O'BRIEN, TIMOTHY J., ENGVALL, EVA, SCHLAERTH, J. B., AND MORROW, C. PAUL. Trophoblastic disease monitoring: Evaluation of
- pregnancy-specific β<sub>1</sub>-glycoprotein, 313 O'Brien, William F., Cefalo, Robert C., and Bair, Donald G. Ultrasonographic diagnosis of fetal cystic hygroma, 464 (Comm. in
- CODDINGTON, CHARLES C., AND CEFALO, ROBERT C. Serial ultra-sonographic biparietal diameters for prediction of estimated date of confinement, 467 (Comm. in brief)
   (see Drake and O'Brien), 346
- (see Albrecht, Cefalo, and O'Brien), 1226
- O'HARE, PHILIP A., FIUMARA, NICHOLAS J., AND McCORMACK, WILLIAM M. Pelvic inflammatory disease among women presenting to emergency rooms of hospitals in Massachusetts, 909 O'KEEFFE, DANIEL F. (see ELLIOT ET AL.), 227
- O'KIEFFE, JANE (see WEINGOLD, YONEKURA, AND O'KIEFFE), 195
- OLSHWANG, D. (see MAGORA ET AL.), 260
  - OSOBA, A. O. Microbiologic techniques for the diagnosis of pelvic
- inflammatory disease in developing countries, 1091 OSSER, S., LIEDHOLM, P., AND SJÖBERG, N.-O. Risk of pelvic inflammatory disease among users of intrauterine devices, irrespective of previous pregnancy, 864
- OSTERGARD, DONALD R. (see WHITE ET AL.), 235
- OSTERKAMP, TERRE (see LENKE AND OSTERKAMP), 1224
- OWMAN, CH. (see WALLES ET AL.), 337

- PAAVONEN, JORMA. Chlamydia trachomatis in acute salpingitis, 957
- PALAN, V. T. (see SINNATHURAY ET AL.), 868
- PARK, ROBERT C. (see HRESHCHYSHYN ET AL.), 139
- PARKER, C. R., JR., EVERETT, R. B., WHALLEY, P. J., QUIRK, J. G., JR.,
  GANT, N. F., AND MACDONALD, P. C. HOFMONE production during pregnancy in the primigravid patient. II. Plasma levels of deoxycorticosterone throughout pregnancy of normal women and women who developed pregnancy-induced hypertension, 626
- PARMLEY, TIM (see GORDON ET AL.), 1120
- PARRY, D. M. (see LÓPEZ BERNAL ET AL.), 1168
- PASNICK, MARYKAY, MEAD, PHILIP B., AND PHILIP, ALISTAIR G. S. Selective maternal culturing to identify group B streptococcal in-
- fection, 480
  Peeters, Louis L. H., Grutters, Gerrie, and Martin, Chester B., Jr. Distribution of cardiac output in the unstressed pregnant guinea pig, 1177
- PENG-TI, CHU (see KUO-FEN ET AL.), 1227
- Penney, L. L. Estimation of gestational age and maternal serum steroid concentrations: Total estriol, 745
   AND DANIELL, W. C. Estimation of success in treatment of prema-
- ture labor: Applicability of prolongation index in a double-blind, controlled, randomized trial, 345 (Comm. in brief)
- PERINE, P. L., DUNCAN, M. E., KRAUSE, D. W., AND AWOKE, S. Pelvic inflammatory disease and puerperal sepsis in Ethiopia, I. Etiology, 969
- (see DUNCAN ET AL.), 1059
- PERLING, LANCE (see NELSON ET AL.), 466
- PEROL, Y. (see HENRY-SUCHET ET AL.), 1022
- PETRES, R. E. (see KREBS ET AL.), 213
- Petrilli, Edmund S., Townsend, Duane E., Morrow, C. Paul, and Nakao, Calvin Y. Vaginal intraepithelial neoplasia: Biologic aspects and treatment with topical 5-fluorouracil and the carbon dioxide laser, 321
- Phansey, S. A., Satterrield, R., Jorgenson, R. J., Salinas, C. F., Yoder, F. E., Mathur, F. E., and Williamson, H. O. XY gonadal dysgenesis in three siblings, 133
- PHILBIN, GEORGE E. (see COTTON ET AL.), 220 PHILIP, ALISTAIR G. S. (see PASNICK, MEAD, AND PHILIP), 480
- PHILLIPPE, MARK (see ACKER ET AL.), 1200
- PHILLIPS, LYNANNE (see POTTERAT ET AL.), 1101 PIASECKI, GEORGE J. (see COHN, PIASECKI, AND JACKSON), 1190
- PICARD, L. (see CHALVARDJIAN ET AL.), 391
- PIGEAU, F. (see HENRY-SUCHET ET AL.), 1022
- PITTMAN, KENNETH A., SMYTH, ROBERT D., LOSADA, MANUEL, ZIG-HELBOIM, ITIC, MADUSKA, ALBERT L., AND SUNSHINE, ABRAHAM. Human perinatal distribution of butorphanol, 797
- PLATT, LAWRENCE D. (see SCHIFRIN AND PLATT), 1220
- (see STRASSNER ET AL.), 697
- POLIAKOFF, STEVEN R. (see HELMKAMP ET AL.), 395
- PONTONNIER, GEORGES (see GRANDJEAN ET AL.), 790
- POORE, E. R. (see NATHANIELSZ ET AL.), 653

POTTERAT, JOHN L., PHILLIPS, LYNANNE, ROTHENBERG, RICHARD B., AND DARROW, WILLIAM W. Gonococcal pelvic inflammatory disease: Case-finding observations, 1101

POYNARD. T. (see HENRY-SUCHET ET AL.), 1022

PRIEST, JEAN H. (see MARION ET AL.), 11

PROPST, MAUREEN G. (see MORRISON ET AL.), 99

PURDY, R. A. (see HEFFERNAN, FRASER, AND PURDY), 460

QUEENAN, JOHN T. Ultrasound measurement of fetal limb bones, 297 QUENON, MARIANNE (see KIRKPATRICK, QUENON, AND DESIR), 523 QUIGLEY, MARTIN M., TYREY, LEE, AND HAMMOND, CHARLES B. Utility of assay of alpha subunit of human chorionic gonadotropin in management of gestational trophoblastic malignancies, 545 QUIRK, J. G., JR. (see PARKER ET AL.), 626

## R

RAFFERTY, TERENCE D., AND BERKOWITZ, RICHARD L. Hemodynamics

in patients with severe toxemia during labor and delivery, 263
RAJAN, V. S. Problems in the surveillance and control of sexually transmitted agents associated with pelvic inflammatory disease in the Far East, 1071

RAMPHAL, REUBEN, DONNELLY, WILLIAM H., AND SMALL, PARKER A., JR. Fatal influenzal pneumonia in pregnancy: Failure to demonstrate transplacental transmission of influenza virus, 347 (Comm. in brief)

RASOR, JOAN L. (see BRAUNSTEIN ET AL.), 1205

RATNAM, A. V., DIN, S. N., AND CHATTERJEE, T. K. Gonococcal infection in women with pelvic inflammatory disease in Lusaka, Zambia, 965

RAYBURN, WILLIAM F. Clinical significance of perceptible fetal motion, 210

ZUSPAN, FREDERICK, MOTLEY, MARY ELLEN, AND DONALDSON, MARCIA. An alternative to antepartum fetal heart rate testing, 223 (Current investigation)

READ, JOHN A. (see COTTON ET AL.), 6

REBAR, R. W. (see Adashi et al.), 609 REDMAN, C. W. G. (see Visser et al.), 429

REES, ELISABETH. The treatment of pelvic inflammatory disease, 1042

REIDY, JOHN A. (see GOLDBERG ET AL.), 436 REISCH, JOAN S. (see LEVENO ET AL.), 615

Reme, Jean-Michel (see Grandjean et al.), 790 Remington, Jack S. (see Wilson and Remington), 357

RENNERT, OWEN M. (see CHAN ET AL.), 257

RICHICHI, JOANN (see CHAN ET AL.), 257

RIDDICK, DANIEL H. (see ROSENBERG, MASLER, AND RIDDICK), 681

 (see Luciano et al.), 665
 Ripa, K. Torvald, Svensson, Lars, Treharne, John D., Weström, LARS, AND MARDH, PER-ANDERS. Chlamydia trachomatis infection in patients with laparoscopically verified acute salpingitis, 960

(see Svensson et al.), 1017

RIVLIN, MICHEL E. (see MORRISON ET AL.), 99

ROCK, JOHN A., AND JONES, HOWARD W., JR. The double uterus associated with an obstructed hemivagina and ipsilateral renal agenesis, 339

RODMAN, HARVEY M. (see KAM ET AL.), 351 ROGERS, JACK A., JR. (see HEATH ET AL.), 343 ROMMAL, CATHERINE (see MODANLOU ET AL.), 1157

ROSENBERG, SANFORD M., MASLAR, ILA A., AND RIDDICK, DANIEL H. Decidual production of prolactin in late gestation: Further evidence for a decidual source of amniotic fluid prolactin, 681

ROSENSHEIN, NEIL (see GORDON ET AL.), 1120

ROTHENBERG, RICHARD B. (see POTTERAT ET AL.), 1101 RUDD, EUGENE G. (see LONG, RUDD, AND DILLON), 755

RUF, HENRI (see MERGER ET AL.), 68

RUIZ, GUSTAVO (see COOPERMAN AND RUIZ), 1026 RUNDALL, TOSHIKO T. (see KLETZKY ET AL.), 660

RUSHWAN, HAMID. Etiologic factors in pelvic inflammatory disease in Sudanese women, 877

RUSSELL, P. T. (see SEEDS ET AL.), 604

RYAN, KENNETH J. (see SCHIFF ET AL.), 1137

SABBAGHA, RUBY E., TAMURA, RALPH K., DAL COMPO, SHARON, ELIAS, SHERMAN, SALVINO, CORA, SHKOLNIK, ARNOLD, AND GERBIE, ALBERT B. Fetal cranial and craniocervical masses: Ultrasound characteristics and differential diagnosis, 511

(see Tamura and Sabbagha), 475

(see ELIAS ET AL.), 169

St. John, Ronald K., Brown, Stuart T., and Tyler, Carl W., Jr. Pelvic inflammatory disease, 1980, 845 (Editorial)

(see JONES, ZAIDI, AND ST. JOHN), 905

SAKAMOTO, SHOICHI (see SATOH ET AL.), 748

SALINAS, C. F. (see PHANSEY ET AL.), 133 SALVINO, CORA (see SABBAGHA ET AL.), 511

SANSON, M. J. (see HENRY-SUCHET ET AL.), 1022

SANTOS-RAMOS, RIGOBERTO (see LEVENO ET AL.), 615

SARRAMON, MARIE-FRANCE (see GRANDJEAN ET AL.), 790

SATOH, KAZUO, KAWAI, YASUO, MITSUHASHI, NAOKI, KINOSHITA, KATsuyuki, and Sakamoto, Shoichi. Prostaglandin F<sub>2</sub>α metabolites in plasma and urine during pseudopregnancy in the rabbit, 748

SATTERFIELD, R. (see PHANSEY ET AL.), 133

SATYASWAROOP, P. G. (see MAROVITZ ET AL.), 643

SCHACHTER, JULIUS (see SWEET ET AL.), 952, 985 SCHAEFER, ROBERT L. (see KEELING ET AL.), 185

SCHENKER, J. G. (see MAGORA ET AL.), 260

SCHIFF, ISAAC, TULCHINSKY, DAN, RYAN, KENNETH J., KADNER, SUSAN, AND LEVITZ, MORTIMER. Plasma estriol and its conjugates following oral and vaginal administration of estriol to postmenopausal women: Correlations with gonadotropin levels,

SCHIFRIN, BARRY S., AND PLATT, LAWRENCE D. Modified technique for monitoring fetal heart rate during intrauterine transfusion, 1220 (Comm. in brief)

SCHLAERTH, J. B. (see O'BRIEN ET AL.), 313

SCHMELTZ, RALPH (see KAM ET AL.), 351
SCHNEIDER, VOLKER, WALSH, JAMES W., AND GOPLERUD, DEAN R. Benign glandular inclusions in para-aortic lymph nodes: A cause

for false positive lymphangiography, 350 (Comm. in brief) SCHOTTEM, ANNEMARIE, AND GIESE, CHRISTA. The "female echo": Prenatal determination of the female fetus by ultrasound, 463 (Comm. in brief)

SCHRADER, MARK V. (see CURRAN ET AL.), 1105

SCHWARTZ, MOSHE, JEWELEWICZ, RAPHAEL, DYRENFURTH, INGE, TROP-PER, PAMELA, AND VANDE WIELE, RAYMOND L. The use of human menopausal and chorionic gonadotropins for induction of ovulation, 801

SCHWARTZ, PETER E., AND SMITH, JULIAN P. Second-look operations in ovarian cancer, 1124

SEEDS, A. E. Current concepts of amniotic fluid dynamics, 575 (Current developments)

-, LEUNG, L. S., STYS, S. J., CLARK, K. E., AND RUSSELL, P. T. Comparison of human and sheep chorion laeve permeability to glucose, β-hydroxybutyrate, and glycerol, 604

SEGRETI, A. (see Krebs et al.), 213
SEHGAL, NARINDER N., AND HITT, JOHN R. Plasma volume expansion in the treatment of pre-eclampsia, 165

SEITCHIK, JOSEPH. Measure of contraction strength in labor: Area and amplitude, 727

SEMM, K., AND METTLER, L. Technical progress in pelvic surgery via operative laparoscopy, 121 (Clinical opinion)
SENANAYAKE, PRAMILLA, AND KRAMER, DORINE G. Contraception and

the etiology of pelvic inflammatory disease: New perspectives, 852

SERFATY, D. (see HENRY-SUCHET ET AL.), 1022

SERR, DAVID M. (see MENCZER, FRENKEL, AND SERR), 352

SHABTAI, MOSHE (see GRANAT ET AL.), 233

SHAW, R. (see CHALVARDJIAN ET AL.), 391

Shaw, S. T., Jr. (see Azar, Berstein, and Shaw), 833 Sherrer, C. Willis (see Mabee, Dunn, and Sherrer), 181 Shigihara, K. M. (see Junqueira et al.), 273

SHKOLNIK, ARNOLD (see ELIAS ET AL.), 169

(see SABBAGHA ET AL.), 511

SHLESINGER, HADASSA (see WASSERMAN ET AL.), 763, 769

SIBOULET, A. (see HENRY-SUCHET ET AL.), 1022 SIITERI, P. K. (see NISKER ET AL.), 637

SIMMONS, MICHAEL (see COTTON ET AL.), 220

SIMPSON, JOE LEIGH (see ELIAS ET AL.), 169

SINNATHURAY, T. A., YUSOF, KHAIRUDDIN, PALAN, V. T., FONG, C. K., ADEEP, NAFISAH, CHONG, C. H., AND YIP, Y. C. Pattern of acute pelvic inflammatory disease in abortion-related admissions, 868

SJÖBERG, N.-O. (see OSSER, LIEDHOLM, AND SJÖBERG), 864

(see WALLES ET AL.), 337

SMALL, PARKER A., JR. (see RAMPHAL, DONNELLY, AND SMALL), 347

SMITH, JOAN L. (see SPENCE, SMITH, AND VAETH), 1109

SMITH, JULIAN P. (see SCHWARTZ AND SMITH), 1124 SMITH, R. A. (see Joshi et al.), 1131

SMITH, ROY G. (see JACOBS, SUCHOCKI, AND SMITH), 332

SMYTH, ROBERT D. (see PITTMAN ET Al.), 797

SOKOL, ROBERT J. (see GROSS AND SOKOL), 1225

— (see Zador et al.), 344
Soriero, Olive M. (see Valenzuela et al.), 1223
Sorrell, Tania C. (see Chow, Carlson, and Sorrell), 1003
Spellacy, W. N., Buhi, W. C., and Birk, S. A. Carbohydrate metabolism with three months of low-estrogen contraceptive use, 151

SPENCE, MICHAEL R., SMITH, JOAN L., AND VAETH, C. R. A problemoriented gynecology clinic for patients with sexually transmit-

ted diseases, 1109 (see GINSBURG ET AL.), 1055

SPIELER, J. M. (see MEDINA ET AL.), 1142

SPISSO, KENNETH R. (see HARBERT AND SPISSO), 686

STACEY, T. E. (see WEEDON ET AL.), 422

STAISCH, K. J., WESTLAKE, J. R., AND BASHORE, R. A. Blind oxytocin challenge test and perinatal outcome, 399

STEMPEL, LAURENCE E., AND LOTT, JOHN A. Diagnosis of fetal death in utero with amniotic fluid creatine kinase, 1173

STENGER, VINCENT G. (see SULEWSKI ET AL.), 128

STERN, JEFFREY L. (see GINSBURG ET AL.), 1055 STRASSNER, HOWARD T., Jr., GOLDE, STEVEN H., MOSLEY, GLADYS H., AND PLATT, LAWRENCE D. Effect of blood in amniotic fluid on the detection of phosphatidylglycerol, 697

STRYKER, JOHN A. (see Chung et al.), 550

STYS, S. J. (see SEEDS ET AL.), 604

SUCHOCKI, SUSAN (see JACOBS, SUCHOCKI, AND SMITH), 332
SULEWSKI, JOAN M., CURCIO, FREDERICK D., BRONITSKY, CARL, AND
STENGER, VINCENT G. The treatment of endometriosis at laparoscopy for infertility, 128

SUNDLER, F. (see WALLES ET AL.), 337

SUNG, MINNIE (see SWEET ET AL.), 952

SUNSHINE, ABRAHAM (see PITTMAN ET AL.), 797 SURWIT, EARL A. (see VAUGHN, SURWIT, AND HAMMOND), 73

SVENSSON, LARS, WESTRÖM, LARS, RIPA, K. TORVALD, AND MARDH, PER-ANDERS. Differences in some clinical and laboratory parameters in acute salpingitis related to culture and serologic findings, 1017

(see RIPA ET AL.), 960

SWEET, RICHARD, BANKS, JOYCE, SUNG, MINNIE, DONEGAN, ELIZABETH, AND SCHACHTER, JULIUS. Experimental chlamydial salpingitis in the guinea pig, 952

—, DRAPER, D. L., SCHACHTER, J., JAMES, J., HADLEY, W. K., AND BROOKS, G. F. Microbiology and pathogenesis of acute sal-pingitis as determined by laparoscopy: What is the appropriate site to sample? 985

(see DRAPER ET AL.), 818, 996

SYMMONDS, RICHARD E. (see WEBB AND SYMMONDS), 813

SZANTO, ERIKA (see HAGENFELDT AND SZANTO), 1039

Szarowski, D. H. (see Joshi et al.), 1131 Szeto, Hazel H., Clapp, James F., III, Abrams, Robert, Inturrisi, Charles E., Kaiko, Robert F., Larrow, Rodney W., and MANN, LEON I. Brain uptake of meperidine in the fetal lamb, 528

- (see CLAPP ET AL.), 60

TABER, S. R. (see ARYA, TABER, AND NSANZE), 929

TABSH, KHALIL (see ZUGAIB ET AL.), 444, 453

TAGATZ, GEORGE E. (see Houser et al.), 409

TAKAKI, N. K. (see NISKER ET AL.), 637

TALIADOUROS, GEORGE S. (see NISULA AND TALIADOUROS), 77

TAMURA, RALPH K., AND SABBAGHA, RUBY E. Percentile ranks of sonar fetal abdominal circumference measurements, 475 (Clinical opinion)

(see Sabbagha et al.), 511

TANGUY, G. (see FERRE ET AL.), 500

TAYLOR, PAMELA V. Maternal and fetal immune responses to human trophoblast antigens, 293

TEDESCHI, LUKE G. Multiple pulmonary fibroleiomyomas, 468 (Comm. in brief)

Tennes, Katherine, and Blackard, Carol. Maternal alcohol consumption, birth weight, and minor physical anomalies, 774
Thaler, I., Goodman, J. D. S., and Dawes, G. S. Effects of maternal

cigarette smoking on fetal breathing and fetal movements,

THALER, MICHAEL (see KAPLINSKY, THALER, AND FRANKL), 237

THORBURN, G. D. (see NATHANIELSZ ET AL.), 653

TODD, R. (see MAROVITZ ET AL.), 643

TOLEDO, O. M. S. (see JUNQUEIRA ET AL.), 273

DE LA TORRE, LUIS ANTONIO. Problems and proposals for the surveillance and control of sexually transmitted diseases associated with pelvic inflammatory disease in South America, 1078

TOWNSEND, DUANE E. (see PETRILLI ET AL.), 321 TREHARNE, JOHN D. (see RIPA ET AL.), 960 TROPPER, PAMELA (see SCHWARTZ ET AL.), 801 TUIMALA, RISTO (see KAUPPILA ET AL.), 404

TULCHINSKY, DAN (see SCHIFF ET AL.), 1137 TURNBULL, A. C. (see LÓPEZ BERNAL ET AL.), 1168

(see Visser et al.), 429

Tyler, Carl W., Jr. (see St. John, Brown, and Tyler), 845

TYREY, LEE (see QUIGLEY, TYREY, AND HAMMOND), 545

UMANSKY, IRVING (see ACKER ET AL.), 1200 URBACH, GERALD I. (see KNAUF AND URBACH), 1222 USHIODA, ETSUO (see ZUGAIB ET AL.), 444, 453

VAETH, C. R. (see SPENCE, SMITH, AND VAETH), 1109

VALDES-VIVO, PEDRO (see WERTHEIN, ABREU, AND VALDES-VIVO), 1082 VALENZUELA, GUILLERMO, HAYASHI, ROBERT H., LACKRITZ, RICHARD M., AND SORIERO, OLIVE M. Uterine rupture at term with vaginal prostaglandin E2, 1223 (Comm. in brief)

Valette, Ann (see Merger et al.), 68 Van Dongen, P. W. J., Eskes, T. K. A. B., Martin, C. B., and Van't Hof, M. A. Postural blood pressure differences in pregnancy,

VAN THIEL, DAVID H. (see KAM ET AL.), 351

VANDE WIELE, RAYMOND L. (see SCHWARTZ ET AL.), 801

VAN'T HOF, M. A. (see VAN DONGEN ET AL.), 1

VASQUEZ, GLORIA, WINSTON, ROBERT M. L., BOECKX, WILLY, AND BROSENS, IVO. Tubal lesions subsequent to sterilization and their relation to fertility after attempts at reversal, 86

VAUGHN, THOMAS C., SURWIT, EARL A., AND HAMMOND, CHARLES B. Late recurrence of gestational trophoblastic neoplasia, 73 Visser, G. H. A., Redman, C. W. G., Huisjes, H. J., and Turnbull,

A. C. Nonstressed antepartum heart rate monitoring: Implications of decelerations after spontaneous contractions, 429

WADE, MACLYN E. (see BRAUNSTEIN ET AL.), 1205

(see MEDINA ET AL.), 1142

Wager, Gael P., Martin, David H., Koutsky, Laura, Eschenbach,
David A., Daling, Janet R., Chiang, W. T., Alexander,
E. R., and Holmes, King K. Puerperal infectious morbidity: Relationship to route of delivery and to antepartum Chlamydia trachomatis infection, 1028

(see WANG ET AL.), 1034

WAKABAYASHI, KATSUMI (see YAZAKI ET AL.), 189

Walker, Errest M., Jr. (see Key et al.), 731 Walles, B., Håkanson, R., Helm, G., Owman, Ch., Sjöberg, N.-O., AND SUNDLER, F. Relaxation of human female genital sphincters by the neuropeptide vasoactive intestinal polypeptide, 337

WALSH, JAMES W. (see SCHNEIDER, WALSH, AND GOPLERUD), 350
WALTERS, JACK H. (see MURAM, GILLIESON, AND WALTERS), 16
WANG, SAN-PING, ESCHENBACH, DAVID A., HOLMES, KING K., WAGER,
GAEL, AND GRAYSTON, J. THOMAS. Chlamydia trachomatis infection in Fitz-Hugh-Curtis syndrome, 1034

Ward, R. H. T. (see Weedon et al.), 422 Wasserman, Lina, Shlesinger, Hadassa, Abramovici, Armand, Goldman, Jack A., and Allalouf, David. Changes in glycosaminoglycan composition of normal human placentas with maturation, 763

-, AND -. Glycosaminoglycan patterns in diabetic and tox-

emic term placentas, 769
WAXMAN, MARIAN (see MACASAET ET AL.), 557
WEBB, MAURICE J., AND SYMMONDS, RICHARD E. Site of recurrence of cervical cancer after radical hysterectomy, 813

WEEDON, A. P., STACEY, T. E., CANNING, JANE F., WARD, R. H. T., AND BOYD, R. D. H. Maternofetal electrical potential difference in conscious sheep: Effect of fetal death or acidosis, 422 Wei-Yu, Wu (see Kuo-Fen et al.), 1227

WEINGOLD, ALLAN B., YONKEKURA, M. LYNN, AND O'KIEFFE, JANE. Nonstress testing, 195 Weintraub, Bruce D. (see Fein, Goldman, and Weintraub), 504

WEISS, MARTIN H. (see KLETZKY ET AL.), 660

- WELLS, SAMUEL A., JR. (see HAAGENSEN ET AL.), 25
- WENTZ, ANNE COLSTON, AND ANDERSEN, RICHARD N. Response to repetitive luteinizing hormone-releasing hormone stimulation in hypothalamic and pituitary disease, 364
- WEPRIN, STUART A., AND ZUSPAN, FREDERICK P. The standing cystomet-
- rogram, 369
  WERTHEIN, LEONARDO J., ABREU, ALFREDO, AND VALDES-VIVO, PEDRO. Problems and approaches in the surveillance and control of sexually transmitted diseases: The Cuban experience, 1082
- Westlake, J. R. (see Staisch, Westlake, and Bashore), 399
  Weström, L. Incidence, prevalence, and trends of acute pelvic inflammatory disease and its consequences in industrialized countries, 880
- (see RIPA ET AL.), 960
- (see Svensson et al.), 1017
- WHALLEY, PEGGY J. (see LEVENO ET AL.), 615
- (see PARKER ET AL.), 626
- WHITCHER, CHARLES (see BRODSKY ET AL.), 1165
  WHITE, ROLFE D., McQuown, DENNIS, McCARTHY, THOMAS A., AND OSTERGARD, DONALD R. Real-time ultrasonography in the evaluation of urinary stress incontinence, 235 (Comm. in
- WIESNER, PAUL J. (see Brown and Wiesner), 1096
- WILLIAMS, PRESTON P. (see HOUSER ET AL.), 409 WILLIAMSON, H. O. (see PHANSEY ET AL.), 133
- WILSON, CHRISTOPHER B., AND REMINGTON, JACK S. What can be done
- to prevent congenital toxoplasmosis, 357 (Clinical opinion) WILSON, EMERY A., JAWAD, M. J., AND DICKSON, LESLEY R. Suppression of human chorionic gonadotropin by progestational steroids, 708
- WILSON, STEPHEN J. (see Young et al.), 203
- WINIKOFF, BEVERLY, AND BAER, EDWARD C. The obstetrician's opportunity: Translating "breast is best" from theory to practice,
- 105 (Current developments) Winston, Robert M. L. (see Vasquez et al.), 86
- WOODRUFF, J. DONALD (see BUSCEMA AND WOODRUFF), 146
- (see HERNANDEZ AND WOODRUFF), 827
- WORLD HEALTH ORGANIZATION TASK FORCE. Temporal relationships between ovulation and defined changes in the concentration of plasma estradiol-17 $\beta$ , luteinizing hormone, follicle-stimulating hormone, and progesterone. I. Probit analysis, 383
- WORTHEN, NANCY, AND BUSTILLO, MARIA. Effect of urinary bladder fullness on fundal height measurements, 759
- Wu, Marion L. (see Brodsky et al.), 1165

- YAZAKI, CHIAKI (see YAZAKI ET AL.), 189
- Yazaki, Katsumi, Yazaki, Chiaki, Wakabayashi, Katsumi, and Igarashi, Masao. Isoelectric heterogeneity of human cho-rionic gonadotropin: Presence of choriocarcinoma specific components, 189
- YEN, S. S. C. (see Adashi et al.), 609
- YIP, Y. C. (see Sinnathuray et al.), 868 Ylikorkala, O. (see Kauppila and Ylikorkala), 271
- (see DAWOOD, YLIKORKALA, AND FUCHS), 20
- YODER, F. E. (see PHANSEY ET AL.), 133
- YONEKURA, M. LYNN (see WEINGOLD, YONEKURA, AND O'KIEFFE), 195
- YOUNES, MUAZAZ A. (see MILWIDSKY ET AL.), 93
- YOUNG, BRUCE K., KLEIN, STEVEN A., KATZ, MIRIAM, WILSON, STEPHEN I., AND DOUGLAS, GORDON W. Intravenous dexamethasone for prevention of neonatal respiratory distress: A prospective controlled study, 203
- YUSOF, KHAIRUDDIN (see SINNATHURAY ET AL.), 868
- ZACHARIAS, JUNE (see MARION ET AL.), 11
- ZADOR, IVAN E., HERTZ, ROGER H., SOKOL, ROBERT J., AND HIRSCH, VICTOR J. Sources of error in the estimation of fetal gestational age, 344 (Comm. in brief)
- ZAIDI, AKBAR A. (see JONES, ZAIDI, AND ST. JOHN), 905
   (see DUNCAN ET AL.), 1059
- ZELEZNIK, ANTHONY H. (see CARITIS AND ZELEZNIK), 677
- ZIGHELBOIM, ITIC (see PITTMAN ET AL.), 797
- ZINDER, OREN (see MAKLER AND ZINDER), 156
- ZUGAIB, MARCELO, FORSYTHE, ALAN B., NUWAYHID, BAHIJ, LIEB, STEPHEN M., TABSH, KHALIL, ERKKOLA, RISTO, USHIODA, ET-SUO, BRINKMAN, C. R., III, AND ASSALI, N. S. Mechanisms of beat-to-beat variability in the heart rate of the neonatal lamb. I. Influence of the autonomic nervous system, 444
- , MURAD, S., BRINKMAN, C. R., III, AND ASSALI, N. S. Mechanisms of beat-to-beat variability in the heart rate of the neonatal lamb. II. Effects of hypoxia, 453
- (see JUNQUEIRA ET AL.), 273
- ZUSPAN, FREDERICK P. (see WEPRIN AND ZUSPAN), 369
- (see RAYBURN ET AL.), 223

# Subject index\*

### A

Abdominal cavity, prolapsed umbilical cord into, in woman with previous cesarean section (Lenke and Osterkamp), 1224 (Comm.

circumference measurements, sonar fetal, percentile ranks of (Tam-ura and Sabbagha), 475 (Clinical opinion) sacral colpopexy (Cowan and Morgan), 348 (Comm. in brief)

Abortion, midtrimester, induced by hyperosmolar urea and prostaglandin F20 in patients with previous cesarean section: Clinical course and potential for uterine rupture (Atienza, Burkman, and King), 55

-related admissions, pattern of acute pelvic inflammatory disease in (Sinnathuray et al.), 868

second-trimester induced, epidural morphine analgesia in (Magora et al.), 260

Abscess, tuboovarian, contraceptive practice and (Edelman and

Berger), 541
retrospective review (Ginsburg et al.), 1055
Acidosis, fetal death or, effect of: Maternofetal electrical potential difference in conscious sheep (Weedon et al.), 422

severe hypokalemia and: Potential complication of beta-adrenergic treatment (Gross and Sokol), 1225 (Comm. in brief)

Adenocarcinoma, endometrial, arising in adenomyosis (Hernandez and Woodruff), 827

unsuspected endometrial, hysterosalpingography in young infertile patients with (Menczer, Frenkel, and Serr), 352 (Comm. in brief)

Adenoma, human prolactin-secreting pituitary, monolayer and sus-

pension culture of (Kletzky et al.), 660 prolactin-secreting pituitary, use of thyrotropin-releasing hormone in distinguishing (Marrs, Bertolli, and Kletzky), 620

Adenomyosis, endometrial adenocarcinoma arising in (Hernandez and Woodruff), 827

Adrenal hyperplasia, congenital, adult manifestation of, due to incomplete 21-hydroxylase deficiency mimicking polycystic ovarian disease (Lobo and Goebelsmann), 720

Adrenergic agonists, effect of, on progesterone production by human placental cells in culture (Caritis and Zeleznik), 677

beta-, treatment, potential complication of: Severe hypokalemia and acidosis (Gross and Sokol), 1225 (Comm. in brief)
Adult manifestation of congenital adrenal hyperplasia due to incom-

plete 21-hydroxylase deficiency mimicking polycystic ovarian disease (Lobo and Goebelsmann), 720

Africa, problems and approaches in surveillance and control of sexually transmitted agents associated with pelvic inflammatory disease in (Nsanze), 1088

Age, fetal gestational, sources of error in (Zador et al.), 344 (Comm. in

gestational, estimation of, and maternal serum steroid concentrations: Total estriol (Penney), 745

Agenesis, ipsilateral renal, obstructed hemivagina and, double uterus

associated with (Rock and Jones), 339
Agonists, adrenergic, effect of, on progesterone production by human placental cells in culture (Caritis and Zeleznik), 677 Alcohol consumption, maternal, birth weight, and minor physical

anomalies (Tennes and Blackard), 774 Aldosterone, renin-, axis, prolactin and, in human pregnancy (Ho Yuen and Korn), 738

Altitude, high, re-evaluation of birth weights at (Cotton et al.), 220 American women, postpartum lymphocytic thyroiditis in: Spectrum of

thyroid dysfunction (Fein, Goldman, and Weintraub), 504 Aminopeptidase assay, serum cystine, early primary diagnosis of ovar-

ian cancer and detection of recurrence by (Kalinkov and Buchholz), 1148 Amniocentesis, acceptance of, by low-income patients in urban hospital

(Marion et al.), 11 genetic, in twin gestations (Elias et al.), 169

Amniotic fluid creatine kinase, diagnosis of fetal death in utero with (Stempel and Lott), 1173

dynamics, current concepts of (Seeds), 575 (Current developments)

Amniotic fluid-cont'd

effect of blood in, on detection of phosphatidylglycerol (Strassner et al.), 697

human, characterization of triacylglycerol lipase activity in (Merger et al.), 68

copper and ceruloplasmin activity in (Chan et al.), 257 maternal plasma, and cord blood, analysis of, for human breast gross cystic disease fluid protein (Haagensen et al.), 25

obtained vaginally, lecithin/sphingomyelin ratio in (Goldstein et al.), 232 (Comm. in brief)

prolactin, further evidence for decidual source of: Decidual production of prolactin in late gestation (Rosenberg, Maslar, and Riddick), 681

Ampicillin, transplacental: Inhibitory concentrations in neonatal serum (Kraybill, Chaney, and McCarthy), 793

Analgesia, epidural morphine, in second-trimester induced abortion (Magora et al.), 260

Anemia, sickle cell, automated erythrocytopheresis for, during pregnancy (Key et al.), 731

and sickle cell-hemoglobin C disease, outcome of pregnancy in (Milner, Jones, and Döbler), 239 Angiography, fluorescein, in hypertensive pregnancies (Donkers and

Jansonius), 461 (Comm. in brief) Anions and electrolytes, blood, during ritodrine infusion in preterm labor (Kirkpatrick, Quenon, and Desir), 523

Anomalies, minor physical, birth weight, and maternal alcohol con-

sumption (Tennes and Blackard), 774 Antepartum fetal heart rate testing, alternative to (Rayburn et al.), 223 (Current investigation)

heart rate monitoring, nonstressed: Implications of decelerations after spontaneous contractions (Visser et al.), 429

Anthropometric data, comparative newborn, in symmetric versus asymmetric intrauterine growth retardation (Crane and Kopta), 518

Antigen(s), human trophoblast, maternal and fetal immune responses to (Taylor), 293

OCA, human ovarian tumor-associated, study of ovarian cancer patients using radioimmunoassay for (Knauf and Urbach), 1222 (Comm. in brief)

Antigenic type, same principal outer membrane, gonococcal salpingitis is less likely to recur with Neisseria gonorrhoeae of (Buchanan et al.), 978

Artery blood flow, ovarian, uterine and, in rhesus monkey near term (Abitbol, Demeter, and Benarosh), 414

Assay of alpha subunit of human chorionic gonadotropin, utility of, in management of gestational trophoblastic malignancies (Quigley, Tyrey, and Hammond), 545

serum cystine aminopeptidase, early primary diagnosis of ovarian cancer and detection of recurrence by (Kalinkov and Buchholz), 1148

Automated erythrocytopheresis for sickle cell anemia during preg-

nancy (Key et al.), 731 Autonomic blockade, umbilical venous blood flow and its distribution before and during, in fetal lambs (Edelstone et al.), 703

nervous system, influence of, I. Mechanisms of beat-to-beat variability in heart rate of neonatal lamb (Zugaib et al.), 444

Bacterial clearance in murine uterus and oviduct, I. Host defenses in acute pelvic inflammatory disease (Chow, Carlson, and Sorrell), 1003

Bangladesh, pelvic infections following gynecologic procedures in (Begum), 875

Beat-to-beat variability, heart rate and, analysis of: Interval difference index (van Geijn et al.), 246

mechanisms of, in heart rate of neonatal lamb. I. Influence of autonomic nervous system (Zugaib et al.), 444

II. Effects of hypoxia (Zugaib et al.), 453 Beta-adrenergic treatment, potential complication of: Severe hypokalemia and acidosis (Gross and Sokol), 1225 (Comm. in brief)

<sup>\*</sup>September 1, 1-120; September 15, 121-238; October 1, 239-356; October 15, 357-474; November 1, 475-598; November 15, 599-726; December 1, part 1, 727-844; part 2, 845-1112; December 15, 1113-1262.

Binding globulin, sex hormone-, capacity, serum, and percentage of free estradiol on postmenopausal women with and without endometrial carcinoma (Nisker et al.), 632

proteins, receptor-like, for testosterone and progesterone in human ovary (Milwidsky et al.), 93

Biology of infectious agents of salpingitis and recent advances in methods of detection, overview of (Mårdh), 933

Biophysics of developing heart. I. Force-interval relationship (Anderson, Manring, and Crenshaw), 33

II. Interaction of force-interval relationship with inotropic state and muscle length (preload) (Anderson, Manring, and Crenshaw), 33

Biorhythms of primate uterus (Macaca mulatta) during labor and delivery (Harbert and Spisso), 686 Biparietal diameter(s), discordancy of, after 28 weeks' gestation: Sonar

cephalometry in twin pregnancy (Leveno et al.), 615 serial ultrasonographic, for prediction of estimated date of confinement (O'Brien, Coddington, and Cefalo), 467

(Comm. in brief) Birth weight(s) at high altitude, re-evaluation of (Cotton et al.), 220 minor physical anomalies, and maternal alcohol consumption

Tennes and Blackard), 774 Bladder fullness, urinary, effect of, on fundal height measurements (Worthen and Bustillo), 759

physiology, effect of radical hysterectomy on (Forney), 374

Blood in amniotic fluid, effect of, on detection of phosphatidylglycerol (Strassner et al.), 697

anions and electrolytes during ritodrine infusion in preterm labor (Kirkpatrick, Quenon, and Desir), 523

cord, amniotic fluid, and maternal plasma, analysis of, for human breast gross cystic disease fluid protein (Haagensen et al.), 25

flow response, umbilical, to embolization of uterine circulation (Clapp et al.), 60

umbilical venous, and its distribution before and during autonomic blockade in fetal lambs (Edelstone et al.), 703 uterine and ovarian artery, in rhesus monkey near term (Abitbol, Demeter, and Benarosh), 414

loss at delivery, consideration of, as percentage of estimated blood volume (Nelson), 1117 (Clinical opinion)

pressure differences, postural, in pregnancy (Van Dongen et al.), 1 pure fetal, from umbilical cord obtained at fetoscopy: Experience with 125 consecutive cases (MacKenzie and Maclean), 1214 volume, estimated, consideration of blood loss at delivery as percent-

age of (Nelson), 1117 (Clinical opinion) Bones, fetal limb, ultrasound measurement of (Queenan, O'Brien, and

Campbell), 297 Books received, 238, 474, 598, 1236

Brain uptake of meperidine in fetal lamb (Szeto et al.), 528

"Breast is best," translating, from theory to practice: Obstetrician's opportunity (Winikoff and Baer), 105 (Curren developments) gross cystic disease fluid protein, human, analysis of amniotic fluid,

maternal plasma, and cord blood for (Haagensen et al.), 25 Breathing, fetal, and fetal movements, effects of maternal cigarette smoking on (Thaler, Goodman, and Dawes), 282

sleep state and, myometrial activity and, relationship between, in fetal sheep throughout last third of gestation (Nathanielsz et al.), 653

Buccal Pitocin, plasma oxytocin levels and disappearance rate after (Dawood, Ylikorkala, and Fuchs), 20

Butorphanol, human perinatal distribution of (Pittman et al.), 797

C-reactive protein as predictor of infectious morbidity with premature rupture of membranes (Evans et al.), 648

Cancer, cervical, site of recurrence of, after radical hysterectomy (Webb and Symmonds), 813

ovarian, early primary diagnosis of, and detection of recurrence by serum cystine aminopeptidase assay (Kalinkov and Buchholz), 1148

second-look operations in (Schwartz and Smith), 1124

patients, ovarian, study of, using radioimmunoassay for human ovarian tumor-associated antigen OCA (Knauf and Urbach), 1222 (Comm. in brief)

Stage I ovarian, role of adjuvant therapy in (Hreshchyshyn et al.), 139

vulvar, progressive histobiologic alterations in development of (Buscema and Woodruff), 146

Carbohydrate metabolism with three months of low-estrogen contraceptive use (Spellacy, Buhi, and Birk), 151

Carbon dioxide laser, topical 5-fluorouracil and, biologic aspects and treatment with: Vaginal intraepithelial neoplasia (Petrilli et al.), 321

Carcinoma, endometrial, serum sex hormone-binding globulin capacity and percentage of free estradiol in postmenopausal women with and without (Nisker et al.), 637

significance of residual disease after radiotherapy in: Clinicopathologic correlation (Macasaet et al.), 557

Stages IB and IIA, of cervix, analysis of factors contributing to treatment failures in (Chung et al.), 550

Cardiac output, distribution of, in unstressed pregnant guinea pig (Peeters, Grutters, and Martin), 1177

Cardiovascular function during hypoxemia, effect of fetal heart rate on (Cohn, Piasecki, and Jackson), 1190 Cefamandole nafate solution, intrauterine irrigation with, at cesarean section: Preliminary report (Long, Rudd, and Dillon), 755

Cell(s) anemia, sickle, automated erythrocytopheresis for, during pregnancy (Key et al.), 731 and sickle cell–hemoglobin C disease, outcome of pregnancy in

(Milner, Jones, and Döbler), 239

exchange, red, in pregnancy complicated by major hemoglobinopathy (Keeling et al.), 185

human placental, in culture, effect of adrenergic agonists on progesterone production by (Caritis and Zeleznik), 677

tumors, granulosa: Comparison of survival in patients and matched controls (Björkholm), 329

Cephalometry, sonar, in twin pregnancy: Discordancy of biparietal diameter after 28 weeks' gestation (Leveno et al.), 615

Ceruloplasmin activity, copper and, in human amniotic fluid (Chan et al.), 257 Cervical cancer, site of recurrence of, after radical hysterectomy (Webb

and Symmonds), 813

dilation, morphologic and histochemical evidence for occurrence of collagenolysis and for role of neutrophilic polymorphonuclear leukocytes during (Junqueira et al.), 273 Cervix, Stages IB and IIA carcinoma of, analysis of factors contribut-

ing to treatment failures in (Chung et al.), 550

Cesarean section, intrauterine irrigation with cefamandole nafate solution at: Preliminary report (Long, Rudd, and Dillon), 755

previous, midtrimester abortion induced by hyperosmolar urea and prostaglandin F2a in patients with: Clinical course and potential for uterine rupture (Atienza, Burkman, and King), 55

prolapsed umbilical cord into abdominal cavity in women with (Lenke and Osterkamp), 1224 (Comm. in brief)

Chlamydia trachomatis in acute salpingitis (Paavonen), 957

infection, antepartum, and route of delivery, relationship to: puerperal infectious morbidity (Wager et al.), 1028 in Fitz-Hugh-Curtis syndrome (Wager et al.), 1034

in patients with laparoscopically verified acute salpingitis (Ripa et al.), 960

and Mycoplasma hominis, experimental pelvic inflammatory disease provoked by, in grivet monkeys (Møller, Freundt, and Mårdh), 990

Chlamydial salpingitis, experimental, in guinea pig (Sweet et al.), 952 Chorea, oral contraceptive-induced (Kaplinsky, Thaler, and Frankl), 237 (Comm. in brief)

Choriocarcinoma, evidence that thyrotropic activity of chorionic gonadotropin mediates thyrotoxicosis of: Thyroid function in gestational trophoblastic neoplasia (Nisula Taliadouros), 77

specific components, presence of: Isoelectric heterogeneity of human chorionic gonadotropin (Yazaki et al.), 189

Chorion laeve permeability, human and sheep, to glucose, β-hydroxybutyrate, and glycerol, comparison of (Seeds et al.),

Chorionic gonadotropin(s), human, human placental lactogen, and pregnancy-specific  $\beta_1$ -glycoprotein, interrelationships of, throughout normal human gestation (Braunstein et al.), 1205

isoelectric heterogeneity of: Presence of choriocarcinoma specific components (Yazaki et al.), 189

menopausal and, use of, for induction of ovulation (Schwartz et

al.), 801 suppression of, by progestational steroids (Wilson, Jawad, and Dickson), 708

utility of assay of alpha subunit of, in management of gestational trophoblastic malignancies (Quigley, Tyrey, and Hammond), 545

Human chorionic gonadotropin-cont'd

thyrotropic activity of, mediates thyrotoxicosis of choriocarcinoma, evidence that: Thyroid function in gestational trophoblastic neoplasia (Nisula and Taliadouros), 77

Chromosomal diagnosis, first-trimester fetal, using endocervical lavage: Negative evaluation (Goldberg et al.), 436 Cigarette smoking, maternal, effects of, on fetal breathing and fetal

movements (Thaler, Goodman, and Dawes), 282

obesity, and energy consumption, maternal, relation of, to infant size (Haworth et al.), 1185

Circulation, uterine, umbilical blood flow response to embolization of (Clapp et al.), 60

Circumference measurements, sonar fetal abdominal, percentile ranks of (Tamura and Sabbagha), 475 (Clinical opinion) Climacteric symptoms, use of medroxyprogesterone acetate for relief

of (Morrison et al.), 99 Clinic, problem-oriented gynecology, for patients with sexually transmitted diseases (Spence, Smith, and Vaeth), 1109 Clinical opinion, 121-127, 357-363, 475-479, 1117-1119

Collagenolysis, morphologic and histochemical evidence for occur-rence of, and for role of neutrophilic polymorphonuclear leukocytes during cervical dilation (Junqueira et al.),

Colombia, comparative evaluation of two methods of natural family planning in (Medina et al.), 1142

Colpopexy, abdominal sacral (Cowan and Morgan), 348 (Comm. in brief)

Communications in brief, 227-237, 343-353, 459-470, 1219-1230

Computer-assisted analysis of therapy of acute salpingitis (Bell and James), 1048

Conception control, estradiol implants for (Nezhat et al.), 1151 Confinement, serial ultrasonographic biparietal diameters for pre-diction of estimated date of (O'Brien, Coddington, and

Cefalo), 467 (Comm. in brief) Congenital adrenal hyperplasia, adult manifestation of, due to incomplete 21-hydroxylase deficiency mimicking polycystic ovar-

ian disease (Lobo and Goebelsmann), 720 toxoplasmosis, what can be done to prevent (Wilson and Rem-

toxopiasmosis, what can be usue to prevent (Wilson and Kennington), 357 (Clinical opinion)
Conjugates, its, plasma estriol and, following oral and vaginal administration of estriol to postmenopausal women: Correlations

with gonadotropin levels (Schiff et al.), 1137 Conscious sheep, maternofetal electrical potential difference in: Effect of fetal death or acidosis (Weedon et al.), 422

Consultants for the American Journal of Obstetrics and Gynecology, 1113

Contraception and etiology of pelvic inflammatory disease: new perspectives (Senanayake and Kramer), 852

oral, -induced chorea (Kaplinsky, Thaler, and Frankl), 237 (Comm. in brief)

practice and tuboovarian abscess (Edelman and Berger), 541 use, low-estrogen, carbohydrate metabolism with three months of (Spellacy, Buhi, and Birk), 151

Contraction(s), spontaneous, implications of decelerations after: Nonstressed antepartum heart rate monitoring (Visser et al.), 429

strength, measure of, in labor: Area and amplitude (Seitchik), 727 Copper and ceruloplasmin activity in human amniotic fluid (Chan et al.), 257

effect of, on spermatozoal motility and viability evaluated objectively with aid of multiple-exposure photography method (Makler and Zinder), 156

Cord blood, amniotic fluid, and maternal plasma, analysis of, for human breast gross cystic disease fluid protein (Haagensen

prolapsed umbilical, into abdominal cavity in woman with previous cesarean section (Lenke and Osterkamp), 1224 (Comm. in

umbilical, pure fetal blood from, obtained at fetoscopy: Experience with 125 consecutive cases (MacKenzie and Maclean), 1214 Correspondence, 471-473, 587-591, 838-842, 1231-1235

Cortisol and 17α-hydroxyprogesterone caproate, suppression of threatened premature labor by administration of: Comparison with ritodrine (Kauppila et al.), 404

metabolism, evidence that fetal membranes are not involved in: Study of dichorionic twin pregnancies (López Bernal et al.), 1168

Countries, developing, microbiologic techniques for diagnosis of pelvic inflammatory disease in (Osoba), 1091

Countries-cont'd

industrialized, incidence, prevalence, and trends of acute pelvic inflammatory disease and consequences in (Weström), 880 Cranial and craniocervical masses, fetal: Ultrasound characteristics and differential diagnosis (Sabbagha et al.), 511

Craniocervical masses, fetal cranial and: Ultrasound characteristics and differential diagnosis (Sabbagha et al.), 511

Creatine kinase, amniotic fluid, diagnosis of fetal death in utero with (Stempel and Lott), 1173

Cuban experience: problems and approaches in surveillance and control of sexually transmitted diseases (Werthein, Abreu, and Valdes-Vivo), 1082

Culdocentesis, rare complication of: Accidental puncture of pelvic kidney (Granat et al.), 233 (Comm. in brief)

Culture, effect of adrenergic agonists on progesterone production by human placental cells in (Caritis and Zeleznik), 677

monolayer and suspension, of human prolactin-secreting pituitary adenoma (Kletzky et al.), 660 and serologic findings, differences in some clinical and laboratory

parameters in acute salpingitis related to (Svensson et al.),

Culturing, selective maternal, to identify group B streptococcal infection (Pasnick, Mead, and Philip), 480 Curettage, suction, for elective termination of pregnancy, electrocar-

diographic changes induced by (Mabee, Dunn, and Sherrer), 181

Current developments, 105-117, 575-586

investigation, 223-226

Cystic disease fluid protein, human breast gross, analysis of amniotic fluid, maternal plasma, and cord blood for (Haagensen et al.), 25 hygroma, fetal, ultrasonographic diagnosis of (O'Brien, Cefalo, and

Bair), 464 (Comm. in brief)

teratomas, benign, in postmenopausal women (Gordon et al.), 1120 Cystine aminopeptidase assay, serum, early primary diagnosis of ovarian cancer and detection of recurrence by (Kalinkov and Buchholz), 1148

Cystometrogram, standing (Weprin and Zuspan), 369

Death, fetal, or acidosis, effect of: Maternofetal electrical potential difference in conscious sheep (Weedon et al.), 422

in utero, diagnosis of, with amniotic fluid creatine kinase (Stempel and Lott), 1173

Decelerations after spontaneous contractions, implications of: Nonstressed antepartum heart rate monitoring (Visser et al.),

Decidua, human, stimulatory activity of serum on prolactin production by (Luciano et al.), 665

Decidual production of prolactin in late gestation: Further evidence for decidual source of amniotic fluid prolactin (Rosenberg, Maslar, and Riddick), 681

Defenses, host, in acute pelvic inflammatory disease. I. Bacterial clearance in murine uterus and oviduct (Chow, Carlson, and Sorrell), 1003

Dehydroepiandrosterone sulfate secretion, prolactin modulation of (Lobo et al.), 632

stable prolactin level after enhanced estradiol production (Kauppila and Ylikorkala), 271

Delivery, consideration of blood loss at, as percentage of estimated blood volume (Nelson), 1117 (Clinical opinion)

labor and, biorhythms of primate uterus (Macaca mulatta) during (Harbert and Spisso), 686 hemodynamics in patients with severe toxemia during (Rafferty

and Berkowitz), 263

route of, and antepartum Chlamydia trachomatis infection, relationship to: puerperal infectious morbidity (Wager et al.), 1028 Deoxycorticosterone, plasma levels of, throughout pregnancy of nor-

mal women and women who developed pregnancy-induced hypertension, II. Hormone production during pregnancy in primigravid patient (Parker et al.), 626

Device(s), intrauterine, risk of pelvic inflammatory disease among users of, irrespective of previous pregnancy (Osser, Liedholm, and Sjöberg), 864

use and risk of pelvic inflammatory disease (Burkman), 861 Dexamethasone, intravenous, for prevention of neonatal respiratory

distress: Prospective controlled study (Young et al.), 203
Diabetes, gestational, detection of, by means of ultrasonic diagnosis of excessive fetal growth (Grandjean et al.), 790

Diabetic and toxemic term placentas, glycosaminoglycan patterns in (Wasserman et al.), 769

Diameter, biparietal, discordancy of, after 28 weeks' gestation: Sonar cephalometry in twin pregnancy (Leveno et al.), 615

Dichorionic twin pregnancies, study of: Evidence that fetal membranes are not involved in cortisol metabolism (López Bernal et al.), 1168

Dietary fat, maternal, effect of, on fetal pulmonary maturation in rats (Nelson et al.), 466 (Comm. in brief)

Dilation, cervical, morphologic and histochemical evidence for occurrence of collagenolysis and for role of neutrophilic polymorphonuclear leukocytes during (Junqueira et al.), 273

Disease(s), acute pelvic inflammatory, differential diagnosis of (Jacobson), 1006

host defenses in. I. Bacterial clearance in murine uterus and oviduct (Chow, Carlson, and Sorrell), 1003

incidence, prevalence, and trends of, and consequences in industrialized countries (Weström), 880

pattern of, in abortion-related admissions (Sinnathuray et al.),

experimental pelvic inflammatory, provoked by Chlamydia trachomatis and Mycoplasma hominis in grivet monkeys (Møller, Freundt, and Mårdh), 990

fluid protein, human breast gross cystic, analysis of amniotic fluid, maternal plasma, and cord blood for (Haagensen et al.), 25 gonococcal pelvic inflammatory: case-finding observations (Potterat et al.), 1101

hypothalamic and pituitary, response to repetitive luteinizing hormone-releasing hormone stimulation in (Wentz and Andersen), 364

monitoring, trophoblastic: Evaluation of pregnancy-specific  $\beta_1$ glycoprotein (O'Brien et al.), 313

pelvic inflammatory, 1980 (St. John, Brown, and Tyler), 845 (Edito-

among women presenting to emergency rooms of hospitals in Massachusetts (O'Hare, Fiumara, and McCormack), 909

and consequences in developing world (Muir and Belsey), 913 economic consequences of, in United States (Curran), 848 etiologic factors in, in Sudanese women (Rushwan), 877

etiology of, and contraception: new perspectives (Senanayake and Kramer), 852

gonococcal infection in women with, in Lusaka, Zambia (Ratnam, Din, and Chatterjee), 965

and gonorrhea, trends for, in England and Wales and for gonorrhea in defined population (Adler), 901 or infertility with tubal obstruction, microbiology of specimens

obtained by laparoscopy from controls and from patients with: Chlamydia trachomatis and Ureaplasma urealyticum (Henry-Suchet et al.), 1022

microbiologic techniques for diagnosis of, in developing countries (Osoba), 1091

problems and approaches to control and surveillance of sexually transmitted agents associated with, in United States (Brown and Wiesner), 1096

in surveillance and control of sexually transmitted agents as-

sociated with, in Africa (Nsanze), 1088 of surveillance and control of sexually transmitted agents associated with, in Far East (Rajan), 1071

and puerperal sepsis in Ethiopia. I. Etiology (Perine et al.), 969 II. Treatment (Duncan et al.), 1059

risk of, among users of intrauterine devices, irrespective of previous pregnancy (Osser, Liedholm, and Sjöberg), 864

and intrauterine device use (Burkman), 861 and salpingitis, frequency and distribution of, in short-stay

hospitals in United States (Jones, Zaidi, and St. John), 905 surveillance, prevention, and control of sexually transmitted agents associated with (Meheus), 1064

treatment of (Rees), 1042

polycystic ovarian, incomplete 21-hydroxylase deficiency mimicking, adult manifestation of congenital adrenal hyperplasia due to (Lobo and Goebelsmann), 720

residual, after radiotherapy in endometrial carcinoma, significance

of: Clinicopathologic correlation (Macasaet et al.), 557 sexually transmitted, associated with pelvic inflammatory disease in South America, problems and proposals for control and surveillance of (de la Torre), 1078

problem(s) and approaches in surveillance and control of: Cuban experience (Werthein, Abreu, and Valdes-Vivo), 1082

Disease(s), sexually transmitted, problem(s)-cont'd

-oriented gynecology clinic for patients with (Spence, Smith, and Vaeth), 1109

sickle cell-hemoglobin C, sickle cell anemia and, outcome of pregnancy in (Milner, Jones, and Döbler), 239

Distress, neonatal respiratory, intravenous dexamethasone for pre-vention of: Prospective controlled study (Young et al.), 203 Dysgenesis, XY gonadal, in three siblings (Phansey et al.), 133

Economic consequences of pelvic inflammatory disease in United States (Curran), 848

Electrical potential difference, maternofetal, in conscious sheep: Effect of fetal death or acidosis (Weedon et al.), 422

Electrocardiographic changes induced by suction curettage for elective termination of pregnancy (Mabee, Dunn, and Sherrer), 181 Electrolytes, blood anions and, during ritodrine infusion in preterm

labor (Kirkpatrick, Quenon, and Desir), 523 Electron microscopy, scanning, of attachment of Neisseria gonorrhoeae colony phenotypes to surfaces of human genital epithelia (Draper et al.), 818

Embolization of uterine circulation, umbilical blood flow response to (Clapp et al.), 60

Emergency department, gonorrhea in: management, case follow-up, and contact tracing of cases in women (Curran et al.), 1105

rooms of hospitals in Massachusetts, pelvic inflammatory disease among women presenting to (O'Hare, Fiumara, and McCormack), 909

Endocervical lavage, first-trimester fetal chromosomal diagnosis using: Negative evaluation (Goldberg et al.), 436

Endometrial adenocarcinoma arising in adenomyosis (Hernandez and Woodruff), 827

unsuspected, hysterosalpingography in young infertile patients with (Menczer, Frenkel, and Serr), 352 (Comm. in brief)

carcinoma, serum sex hormone-binding globulin capacity and percentage of free estradiol in postmenopausal women with and without (Nisker et al.), 637 significance of residual disease after radiotherapy in: Clinico-

pathologic correlation (Macasaet et al.), 557 changes after administration of gossypol for menorrhagia (Kuo-Fen

et al.), 1227 (Comm. in brief)

17β-estradiol dehydrogenase, human placental and, apparent immunologic nonidentity of (Marovitz et al.), 643

protein, progestogen-dependent, in women: Tissue concentration in relation to developmental stage and to serum hormone levels (Joshi et al.), 1131

Endometriosis, treatment of, at laparoscopy for infertility (Sulewski et al.), 128

Endometrium, human, peroxidase activity in glands and stroma of (Holinka and Gurpide), 599

Energy consumption, cigarette smoking, and obesity, maternal, rela-tion of, to infant size (Haworth et al.), 1185

England and Wales, trends for gonorrhea and pelvic inflammatory disease in, and for gonorrhea in defined population (Adler), 901

Epidemiology and etiology, overview of: salpingitis (Holmes, Eschenbach, and Knapp), 893

Epidural morphine analgesia in second-trimester induced abortion (Magora et al.), 260

Epithelia, human genital, scanning electron microscopy of attachment of Neisseria gonorrhoeae colony phenotypes to surfaces of (Draper et al.), 818 Errata, 226, 473, 1235

Erythrocytopheresis, automated, for sickle cell anemia during pregnancy (Key et al.), 731

Estradiol, free, percentage of, serum sex hormone-binding globulin capacity and, in postmenopausal women with and without endometrial carcinoma (Nisker et al.), 637

implants for conception control (Nezhat et al.), 1151 pellets, subdermal, following hysterectomy and oophorectomy (Lobo

et al.), 714 production, enhanced, stable prolactin level after, following dehy-

droepiandrosterone sulfate (Kauppila and Ylikorkala), 271 17β-, dehydrogenase, human placental and endometrial, apparent

immunologic nonidentity of (Marovitz et al.), 643 luteinizing hormone, follicle-stimulating hormone, and progesterone, plasma, temporal relationships between ovulation and defined changes in concentration of. I. Probit analysis (World Health Organization Task Force), 383

- Estriol, plasma, and its conjugates following oral and vaginal administration of estriol to postmenopausal women: Correlations with gonadotropin levels (Schiff et al.), 1137
- total: Estimation of gestational age and maternal serum steroid concentrations (Penney), 745
- Estrogen, low-, contractors (remey), 79 months of (Spellacy, Buhi, and Birk), 151 response in sheep, stimulus summation and tachyphylaxis in (Clewell, Stys, and Meschia), 485
- Ethiopia, pelvic inflammatory disease and puerperal sepsis in. I. Etiology (Perine et al.), 969
  - II. Treatment (Duncan et al.), 1059
- Etiologic factors in pelvic inflammatory disease in Sudanese women (Rushwan), 877
- Etiology, I. Pelvic inflammatory disease and puerperal sepsis in Ethiopia (Perine et al.), 969
- and epidemiology, overview of: salpingitis (Holmes, Eschenbach,
- and Knapp), 893
  Extraction, vacuum, complication of: Streptococcus sanguis sepsis and meningitis (Heath et al.), 343 (Comm. in brief)

- Fallopian tube mucosa, human, toxin for: gonococcal lipopolysac-
- charide (Gregg, Melly, and McGee), 981 Family planning, natural, in Colombia, comparative evaluation of two methods of (Medina et al.), 1142
- Far East, problems in surveillance and control of sexually transmitted agents associated with pelvic inflammatory disease in (Rajan),
- Fat, maternal dietary, effect of, on fetal pulmonary maturation in rats (Nelson et al.), 466 (Comm. in brief)
  "Female echo": Prenatal determination of female fetus by ultrasound
- (Schotten and Giese), 463 (Comm. in brief)
- Fertility, their relation to, after attempts at reversal, tubal lesions subsequent to sterilization and (Vasquez et al.), 86
- Fetal abdominal circumference measurements, sonar, percentile ranks of (Tamura and Sabbagha), 475 (Clinical opinion) blood, pure, from umbilical cord obtained at fetoscopy: Experience
- with 125 consecutive cases (MacKenzie and Maclean), 1214 breathing and fetal movements, effects of maternal cigarette smok-
- ing on (Thaler, Goodman, and Dawes), 282 chromosomal diagnosis, first-trimester, using endocervical lavage:
- Negative evaluation (Goldberg et al.), 436
  cranial and craniocervical masses: Ultrasound characteristics and differential diagnosis (Sabbagha et al.), 511
- cystic hygroma, ultrasonographic diagnosis of (O'Brien, Cefalo, and Bair), 464 (Comm. in brief) death or acidosis, effect of: Maternofetal electrical potential differ-
- ence in conscious sheep (Weedon et al.), 422 in utero, diagnosis of, with amniotic fluid creatine kinase (Stempel
- and Lott), 1173 gestational age, sources of error in (Zador et al.), 344 (Comm. in
- brief) growth, excessive, detection of gestational diabetes by means of ul-
- trasonic diagnosis of (Grandjean et al.), 790
- heart rate, effect of, on cardiovascular function during hypoxemia (Cohn, Piasecki, and Jackson), 1190
  - modified technique for monitoring, during intrauterine trans-
  - fusion (Schifrin and Platt), 1220 (Comm. in brief)
    monitoring, intrapartum. IV. Observations on elective and
    nonelective fetal heart rate monitoring (Krebs et al.), 213 testing, antepartum, alternative to (Rayburn et al.), 223 (Current investigation)
- immune responses, maternal and, to human trophoblast antigens (Taylor), 293
- lamb(s), brain uptake of meperidine in (Szeto et al.), 528
- effect of in utero intravenous administration of thyroxine and other hormones on lung fluid lecithin/sphingomyelin ratio in (Nwosu et al.), 459 (Comm. in brief)
- umbilical venous blood flow and its distribution before and during autonomic blockade in (Edelstone et al.), 703
- limb bones, ultrasound measurement of (Queenan, O'Brien, and Campbell), 297
- membranes are not involved in cortisol metabolism, evidence that: Study of dichorionic twin pregnancies (López Bernal et al.), 1168
- motion, clinical significance of (Rayburn), 210

- Fetal-cont'd
  - and neonatal sinusoidal heart rate pattern, significance of: Further clinical observations in Rh incompatibility (Elliott et al.), 227 (Comm. in brief)
  - outcome, placental size during early pregnancy and: Preliminary report of sequential ultrasonographic study (Hoogland, de Haan, and Martin), 441
    - surgery during pregnancy and (Brodsky et al.), 1165
  - pulmonary maturation, effect of maternal dietary fat on, in rats (Nelson et al.), 466 (Comm. in brief)
  - sheep, comparison of continuous transcutaneous and continuous intravascular Po2 measurement in (Jansen et al.), 670
    - relationship between myometrial activity and sleep state and breathing in, throughout last third of gestation (Nathanielsz et al.), 653
- Fetoscopy, pure fetal blood from umbilical cord obtained at: Experience with 125 consecutive cases (MacKenzie and Maclean), 1214
- Fetus, female, prenatal determination of, by ultrasound: "Female echo" (Schotten and Giese), 463 (Comm. in brief)
- Fibroleiomyomas, multiple pulmonary (Tedeschi), 468 (Comm. in brief)
- Fitz-Hugh-Curtis syndrome, Chlamydia trachomatis infection in (Wager et al.), 1034
- Fluorescein angiography in hypertensive pregnancies (Donkers and Jansonius), 461 (Comm. in brief)
- Fluorouracil, 5-, topical, and carbon dioxide laser, biologic aspects and treatment with: Vaginal intraepithelial neoplasia (Petrilli et al.), 321
- Follicle-stimulating hormone, progesterone, estradiol- $17\beta$ , and luteinizing hormone, plasma, temporal relationships between ovulation and defined changes in concentration of. I. Probit
- analysis (World Health Organization Task Force), 383 Force-interval relationship, I. Biophysics of developing heart (Anderson, Manring, and Crenshaw), 33
  - interaction of, with inotropic state and muscle length (preload), II. Biophysics of developing heart (Anderson, Manring, and Crenshaw), 44
- Fundal height measurements, effect of urinary bladder fullness on (Worthen and Bustillo), 759

# G

- Gap junctions, presence of, in myometrium of women during various stages of menstruation (Garfield and Hayashi), 569
- Genetic amniocentesis in twin gestations (Elias et al.), 169
- Genital epithelia, human, scanning electron microscopy of attachment of Neisseria gonorrhoeae colony phenotypes to surfaces of
- (Draper et al.), 818 sphincters, human, relaxation of, by neuropeptide vasoactive intes-tinal polypeptide (Walles et al.), 337
- tract, female, malacoplakia of (Chalvardjian et al.), 391
- tuberculosis in women (Falk, Ludviksson, and Agren), 974 Gestation(s), late, decidual production of prolactin in: Further evi-dence for decidual source of amniotic fluid prolactin
  - (Rosenberg, Maslar, and Riddick), 681 human, interrelationships of human chorionic gonadotropin, human placental lactogen, and pregnancy-specific
  - β<sub>1</sub>-glycoprotein during (Braunstein et al.), 1205 relationship between myometrial activity and sleep state and breathing in fetal sheep throughout last third of (Nathanielsz et al.), 653
- twin, genetic amniocentesis in (Elias et al.), 169
- 28 weeks', discordancy of biparietal diameter after: Sonar cepha-
- lometry in twin pregnancy (Leveno et al.), 615 Gestational age, estimation of, and maternal serum steroid concentra-tions: Total estriol (Penney), 745
  - fetal, sources of error in (Zador et al.), 344 (Comm. in brief)
  - diabetes, detection of, by means of ultrasonic diagnosis of excessive fetal growth (Grandjean et al.), 790
  - trophoblastic malignancies, utility of assay of alpha subunit of human chorionic gonadotropin in management of (Quig-ley, Tyrey, and Hammond), 545
    - neoplasia, late recurrences of (Vaughn, Surwit, and Hammond),
    - thyroid function in: Evidence that thyrotropic activity of chorionic gonadotropin mediates thyrotoxicosis of choriocarcinoma (Nisula and Taliadouros), 77

- Glands and stroma of human endometrium, peroxidase activity in (Holinka and Gurpide), 599
- Glandular inclusions, benign, in para-aortic lymph nodes: Cause for false positive lymphangiography (Schneider, Walsh, and Goplerud), 350 (Comm. in brief) Globulin, sex hormone-binding, capacity, serum, and percentage of
- Globulin, sex hormone-binding, capacity, serum, and percentage of free estradiol in postmenopausal women with and without endometrial carcinoma (Nisker et al.), 632
- Glucose, β-hydroxybutyrate, and glycerol, comparison of human and sheep chorion laeve permeability to (Seeds et al.), 604
- Glycerol, glucose, and  $\beta$ -hydroxybutyrate, comparison of human and sheep chorion laeve permeability to (Seeds et al.), 604
- Glycoprotein,  $\beta_1$ -, pregnancy-specific, evaluation of: Trophoblastic disease monitoring (O'Brien et al.), 313
  - human chorionic gonadotropin, and human placental lactogen, interrelationships of, throughout normal human gestation (Braunstein et al.), 1205
  - as prognostic indicator in complications of early pregnancy (Ho and Jones), 253
- Glycosaminoglycan composition of normal human placentas, changes in, with maturation (Wasserman et al.), 763
- patterns in diabetic and toxemic term placentas (Wasserman et al.), 769
- Gonadal dysgenesis, XY, in three siblings (Phansey et al.), 133
- Gonadotropin(s), chorionic, thyrotropic activity of, mediates thyrotoxicosis of choriocarcinoma, evidence that: Thyroid function in gestational trophoblastic neoplasia (Nisula and Taliadouros), 77
- human chorionic, human placental lactogen, and pregnancy-specific  $\beta_1$ -glycoprotein, interrelationships of, throughout normal human gestation (Braunstein et al.), 1205
  - isoelectric heterogeneity of: Presence of choriocarcinoma specific components (Yazaki et al.), 189
  - suppression of, by progestational steroids (Wilson, Jawad, and Dickson), 708
  - utility of assay of alpha subunit of, in management of gestational trophoblastic malignancies (Quigley, Tyrey, and Hammond), 545
  - menopausal and chorionic, use of, for induction of ovulation (Schwartz et al.), 801
- levels, correlations with: Plasma estriol and its conjugates following oral and vaginal administration of estriol to post-menopausal women (Schiff et al.), 1137
- Gonococcal infection in women with pelvic inflammatory disease in Lusaka, Zambia (Ratnam, Din, and Chatterjee), 965
- lipopolysaccharide: toxin for human fallopian tube mucosa (Gregg, Melly, and McGee), 981
- pelvic inflammatory disease: case-finding observations (Potterat et al.), 1101
- salpingitis is less likely to recur with Neisseria gonorrhoeae of same principal outer membrane antigenic type (Buchanan et al.), 978
- Gonorrhea in emergency department: management, case follow-up, and contact tracing of cases in women (Curran et al.), 1105 and female infertility in rural Uganda (Arya, Taber, and Nsanze),
- and pelvic inflammatory disease, trends for, in England and Wales and for gonorrhea in defined population (Adler), 901 Gossypol, administration of, for menorrhagia, endometrial changes
- Gossypol, administration of, for menorrhagia, endometrial changes after (Kuo-Fen et al.), 1227 (Comm. in brief)
- Granulosa cell tumors: Comparison of survival in patients and matched controls (Björkholm), 329
- Growth, excessive fetal, detection of gestational diabetes by means of ultrasonic diagnosis of (Grandjean et al.), 790
- retardation, intrauterine, symmetric versus asymmetric, comparative newborn anthropometric data in (Crane and Kopta), 518
  - Н
- Heart, developing, biophysics of. I. Force-interval relationship (Anderson, Manring, and Crenshaw), 33
  - II. Interaction of force-interval relationship with inotropic state and muscle length (preload) (Anderson, Manring, and Crenshaw), 33
  - rate and beat-to-beat variability, analysis of: Interval difference index (van Geijn et al.), 246
  - fetal, effect of, on cardiovascular function during hypoxemia (Cohn, Piasecki, and Jackson), 1190

- Heart rate, fetal-cont'd
  - modified technique for monitoring, during intrauterine transfusion (Schifrin and Platt), 1220 (Comm. in brief) monitoring, intrapartum fetal. IV. Observations on elective and
  - monitoring, intrapartum tetal. IV. Observations on elective and nonelective fetal heart rate monitoring (Krebs et al.), 213 nonstressed antepartum: Implications of decelerations after
  - spontaneous contractions (Visser et al.), 429 of neonatal lamb, mechanisms of beat-to-beat variability in. I. Influence of autonomic nervous system (Zugaib et al.), 444 II. Effects of hypoxia (Zugaib et al.), 453
  - pattern, fetal and neonatal sinusoidal, significance of: Further clinical observations in Rh incompatibility (Elliott et al.), 227 (Comm. in brief)
  - testing, antepartum fetal, alternative to (Rayburn et al.), 223 (Current investigation)
- Height measurements, fundal, effect of urinary bladder fullness on (Worthen and Bustillo), 759
- Hematocolpometra in presence of normal menstruation (Drake and O'Brien), 346 (Comm. in brief)
- O'Brien), 346 (Comm. in briet) Hemivagina, obstructed, and ipsilateral renal agenesis, double uterus associated with (Rock and Jones), 339
- Hemodynamic(s) observations in evacuation of molar pregnancy (Cotton et al.), 6
- in patients with severe toxemia during labor and delivery (Rafferty and Berkowitz), 263
- and Berkowitz), 263
  Hemoglobin C, sickle cell-, disease, sickle cell anemia and, outcome of pregnancy in (Milner, Jones, and Döbler), 239
- pregnancy in (Milner, Jones, and Döbler), 239
  Hemoglobinopathy, major, red cell exchange in pregnancy complicated by (Keeling et al.), 185
- Heterogeneity, isoelectric, of human chorionic gonadotropin: Presence of choriocarcinoma specific components (Yazaki et al.), 189
- High altitude, re-evaluation of birth weights at (Cotton et al.), 220
- Histobiologic alterations, progressive, in development of vulvar cancer (Buscema and Woodruff), 146
- Histochemical evidence, morphologic and, for occurrence of collagenolysis and for role of neutrophilic polymorphonuclear leukocytes during cervical dilation (Junqueira et al.), 978
- Hormone(s) levels, serum, tissue concentration in relation to developmental stage and to: Progestogen-dependent endometrial protein in women (Joshi et al.), 1131
- luteinizing, follicle-stimulating hormone, progesterone, and estradiol-17\(\textit{\beta}\), plasma, temporal relationships between ovulation and defined changes in concentration of. I. Probit analysis
  - (World Health Organization Task Force), 383

    -releasing hormone stimulation, repetitive, response to, in hypothalamic and pituitary disease (Wentz and Andersen), 364
- other, thyroxine and, effect of in utero intravenous administration of, on lung fluid lecithin/sphingomyelin ratio in fetal lamb (Nwosu et al.), 459 (Comm. in brief)
- production during pregnancy in primigravid patient. II. Plasma levels of deoxycorticosterone throughout pregnancy of normal women and women who developed pregnancy-
- induced hypertension (Parker et al.), 626 sex, –binding globulin capacity, serum, and percentage of free estradiol in postmenopausal women with and without endometrial carcinoma (Nisker et al.), 632
- thyrotropin-releasing, use of, in distinguishing prolactin-secreting pituitary adenoma (Marrs, Bertolli, and Kletzky), 620
- Hospital(s) (multi-) twin study, Northwestern University. I. Description of 588 twin pregnancies and associated pregnancy loss, 1971 to 1975 (Keith et al.), 781
- short-stay, in United States, frequency and distribution of salpingitis and pelvic inflammatory disease in (Jones, Zaidi, and St. John), 905
- urban, acceptance of amniocentesis by low-income patients in (Marion et al.), 11
- Host defenses in acute pelvic inflammatory disease. I. Bacterial clearance in murine uterus and oviduct (Chow, Carlson, and Sorrell), 1003
- Human chorionic gonadotropin, human placental lactogen, and pregnancy-specific β<sub>1</sub>-glycoprotein, interrelationships of, throughout normal human gestation (Braunstein et al.), 1905
  - isoelectric heterogeneity of: Presence of choriocarcinoma specific components (Yazaki et al.), 189

Human chorionic gonadotropin-cont'd

suppression of, by progestational steroids (Wilson, Jawad, and Dickson), 708

utility of assay of alpha subunit of, in management of gestational trophoblastic malignancies (Quigley, Tyrey, and Hammond), 545

menopausal and chorionic gonadotropins, use of, for induction of

ovulation (Schwartz et al.), 801 Hydroxybutyrate, β-, glycerol, and glucose, comparison of human and sheep chorion laeve permeability to (Seeds et al.), 604

Hydroxylase, 21-, deficiency, incomplete, mimicking polycystic ovarian disease, adult manifestation of congenital adrenal hy-

perplasia due to (Lobo and Goebelsmann), 720 Hydroxyprogesterone, 17α-, caproate, cortisol and, suppression of threatened premature labor by administration of: Comparison with ritodrine (Kauppila et al.), 404

Hydroxysteroid, Δ5,3β-, dehydrogenase activity, steroid concentrations and, in human placenta (Ferre et al.), 500

Hygroma, fetal cystic, ultrasonographic diagnosis of (O'Brien, Cefalo, and Bair), 464 (Comm. in brief)

Hyperosmolar urea and prostaglandin F<sub>2</sub>α, midtrimester abortion induced by, in patients with previous cesarean section: Clinical course and potential for uterine rupture (Atienza, Burkman, and King), 55

Hyperplasia, congenital adrenal, adult manifestation of, due to incomplete 21-hydroxylase deficiency mimicking polycystic ovarian disease (Lobo and Goebelsmann), 720

Hypertension, pregnancy-induced, women who developed, plasma levels of deoxycorticosterone throughout pregnancy of normal women and, II. Hormone production during pregnancy in primigravid patient (Parker et al.), 626

Hypertensive pregnancies, fluorescein angiography in (Donkers and Jansonius), 461 (Comm. in brief)
Hypokalemia, severe, and acidosis: Potential complication of beta-

adrenergic treatment (Gross and Sokol), 1225 (Comm. in

Hypothalamic and pituitary disease, response to repetitive luteinizing hormone-releasing hormone stimulation in (Wentz and Andersen), 364

Hypoxemia, effect of fetal heart rate on cardiovascular function during (Cohn, Piasecki, and Jackson), 1190

Hypoxia, effects of, II. Mechanisms of beat-to-beat variability in heart

rate of neonatal lamb (Zugaib et al.), 453 Hysterectomy and oophorectomy, subdermal estradiol pellets following (Lobo et al.), 714

radical, effect of, on bladder physiology (Forney), 374

site of recurrence of cervical cancer after (Webb and Symmonds), 813

Hysterosalpingography in young infertile patients with unsuspected endometrial adenocarcinoma (Menczer, Frenkel, and Serr), 352 (Comm. in brief)

Immune responses, maternal and fetal, to human trophoblast antigens (Taylor), 293

Immunization, tularemia, in early pregnancy (Albrecht, Cefalo, and O'Brien), 1226 (Comm. in brief)

Immunologic nonidentity, apparent, of human placental and endometrial  $17\beta$ -estradiol dehydrogenase (Marovitz et al.), 643

Implants, estradiol, for conception control (Nezhat et al.), 1151 Inclusions, benign glandular, in para-aortic lymph nodes: Cause for false positive lymphangiography (Schneider, Walsh, and

Goplerud), 350 (Comm. in brief) urinary stress, real-time ultrasonography in evaluation

of (White et al.), 235 (Comm. in brief) Incubated plasma of pregnant rabbits, increased pressor activity in

(Katz, Gordon, and Creasy), 741 India, Delhi, etiology of pelvic infections treated by gynecologic service of Kasturba Hospital (Kochar), 872

Industrialized countries, incidence, prevalence, and trends of acute pelvic inflammatory disease and consequences in (Weström), 880

Infant size, relation of maternal cigarette smoking, obesity, and energy consumption to (Haworth et al.), 1185

Infection(s), acute pelvic, clinical aspects of progressive stages of

(Cooperman and Ruiz), 1026 antepartum Chlamydia trachomatis, and route of delivery, relationship to: puerperal infectious morbidity (Wager et al.), 1028

Infection(s)-cont'd

Chlamydia trachomatis, in Fitz-Hugh-Curtis syndrome (Wager et al.),

in patients with laparoscopically verified acute salpingitis (Ripa

gonococcal, in women with pelvic inflammatory disease in Lusaka, Zambia (Ratnam, Din, and Chatterjee), 965

group B streptococcal, selective maternal culturing to identify (Pasnick, Mead, and Philip), 480

pelvic, etiology of, treated by gynecologic service of Kasturba Hospital, Delhi, India (Kochar), 872

following gynecologic procedures in Bangladesh (Begum), 875 Infectious agents of salpingitis, their biology, and recent advances in methods of detection, overview of (Mardh), 933

morbidity, C-reactive protein as predictor of, with premature rupture of membranes (Evans et al.), 648

puerperal: relationship to route of delivery and to antepartum Chlamydia trachomatis infection (Wager et al.), 1028

Infertile patients, young, with unsuspected endometrial adenocarcinoma, hysterosalpingography in (Menczer, Frenkel, and Serr), 352 (Comm. in brief)

Infertility, female, and gonorrhea in rural Uganda (Arya, Taber, and Nsanze), 929

and pelvic inflammatory disease with tubal obstruction, microbiology of specimens obtained by laparoscopy from controls and from patients with: Chlamydia trachon natis and Ureaplasma urealyticum (Henry-Suchet et al.), 1022

treatment of endometriosis at laparoscopy for (Sulewski et al.), 128 Inflammatory disease, acute pelvic, differential diagnosis of (Jacob-

> host defenses in. I. Bacterial clearance in murine uterus and oviduct (Chow, Carlson, and Sorrell), 1003

> incidence, prevalence, and trends of, and consequences in industrialized countries (Weström), 880

pattern of, in abortion-related admissions (Sinnathuray et al.),

experimental pelvic, provoked by Cklamydia trachomatis and Mycoplasma hominis in grivet monkeys (Møller, Freundt, and Mårdh), 990

gonococcal pelvic: case-finding observations (Potterat et al.), 1101 pelvic, 1980 (St. John, Brown, and Tyler), 845 (Editorial)

among women presenting to emergency rooms of hospitals in Massachusetts (O'Hare, Fiumara, and McCormack), 909 and consequences in developing world (Muir and Belsey), 913 economic consequences of, in United States (Curran), 848 etiologic factors in, in Sudanese women (Rushwan), 877

etiology of, and contraception: new perspectives (Senanayake

and Kramer), 852 gonococcal infection in women with, in Lusaka, Zambia (Ratnam, Din, and Chatterjee), 965 and gonorrhea, trends for, in England and Wales and for

gonorrhea in defined population (Adler), 901

or infertility with tubal obstruction, microbiology of specimens obtained by laparoscopy from controls and from patients with: Chlamydia trachomatis and Ureaplasma urealyticum (Henry-Suchet et al.), 1022

microbiologic techniques for diagnosis of, in developing countries (Osoba), 1091

problems and approaches to control and surveillance of sexually transmitted agents associated with, in United States (Brown and Wiesner), 1096

in surveillance and control of sexually transmitted agents associated with, in Africa (Nsanze), 1088

proposals for surveillance and control of sexually transmitted diseases associated with, in South America (de la Torre),

of surveillance and control of sexually transmitted agents associated with, in Far East (Rajan), 1071

and puerperal sepsis in Ethiopia. I. Etiology (Perine et al.), 969 II. Treatment (Duncan et al.), 1059 risk of, among users of intrauterine devices, irrespective of pre-

vious pregnancy (Osser, Liedholm, and Sjöberg), 864 and intrauterine device use (Burkman), 861

and salpingitis, frequency and distribution of, in short-stay hospitals in United States (Jones, Zaidi, and St. John), 905 surveillance, prevention, and control of sexually transmitted agents associated with (Meheus), 1064

treatment of (Rees), 1042

- Influenza virus, failure to demonstrate transplacental transmission of: Fatal influenzal pneumonia in pregnancy (Ramphal, Don-
- nelly, and Small), 347 (Comm. in brief) Influenzal pneumonia, fatal, in pregnancy: Failure to demonstrate transplacental transmission of influenza virus (Ramphal, Donnelly, and Small), 347 (Comm. in brief)
- Infusion, ritodrine, blood anions and electrolytes during, in preterm
- labor (Kirkpatrick, Quenon, and Desir), 523 state and muscle length (preload), interaction of force-interval relationship with, II. Biophysics of developing Inotropic heart (Anderson, Manring, and Crenshaw), 44
- International Symposium on Pelvic Inflammatory Disease, 845-1112 Intestinal polypeptide, neuropeptide vasoactive, relaxation of human female genital sphincters by (Walles et al.), 337
- Intraepithelial neoplasia, vaginal: Biologic aspects and treatment with topical 5-fluorouracil and carbon dioxide laser (Petrilli et al.), 321
- Intrapartum fetal heart rate monitoring. IV. Observations on elective and nonelective fetal heart rate monitoring (Krebs et al.).
- numerical scoring system, simplified (Morrison et al.), 175
- Intrauterine device(s), risk of pelvic inflammatory disease among users of, irrespective of previous pregnancy (Osser, Liedholm, and Siöberg), 864
- use and risk of pelvic inflammatory disease (Burkman), 861
- growth retardation, symmetric versus asymmetric, comparative newborn anthropometric data in (Crane and Kopta), 518 irrigation with cefamandole nafate solution at cesarean section: Pre-
- liminary report (Long, Rudd, and Dillon), 755 transfusion(s), modified technique for monitoring fetal heart rate
- during (Schifrin and Platt), 1220 (Comm. in brief) ultrasound-facilitated (Acker et al.), 1200
- Intravascular, continuous, Po2 measurement, continuous transcutaneous and, comparison of, in fetal sheep (Jansen et al.), 670 Intravenous administration, in utero, of thyroxine and other hor-
- mones, effect of, on lung fluid lecithin/sphingomyelin ratio in fetal lamb (Nwosu et al.), 459 (Comm. in brief)
- dexamethasone for prevention of neonatal respiratory distress: Pro-spective controlled study (Young et al.), 203 Irrigation, intrauterine, with cefamandole nafate solution at cesarean
- section: Preliminary report (Long, Rudd, and Dillon), 755 Isoelectric heterogeneity of human chorionic gonadotropin: Presence
- of choriocarcinoma specific components (Yazaki et al.), 189 Items, 118-120, 354-356, 592-597, 843-844

- Kidney, pelvic, accidental puncture of: Rare complication of culdocentesis (Granat et al.), 233 (Comm. in brief)
- Kinase, amniotic fluid creatine, diagnosis of fetal death in utero with (Stempel and Lott), 1173

- Labor and delivery, biorhythms of primate uterus (Macaca mulatta) during (Harbert and Spisso), 686
  - hemodynamics in patients with severe toxemia during (Rafferty and Berkowitz), 263
  - measure of contraction strength in: Area and amplitude (Seitchik), 727
  - premature, estimation of success in treatment of: Applicability of prolongation index in double-blind, controlled, ran-domized trial (Penney and Daniell), 345 (Comm. in brief)
  - preterm, blood anions and electrolytes during ritodrine infusion in (Kirkpatrick, Quenon, and Desir), 523
  - threatened premature, suppression of, by administration of cortisol and 17α-hydroxyprogesterone caproate: Comparison with ritodrine (Kauppila et al.), 404
- Laboratory and clinical parameters, some, differences in, in acute salpingitis related to culture and serologic findings (Svensson et al.), 1017
- Lavage, endocervical, first-trimester fetal chromosomal diagnosis using: Negative evaluation (Goldberg et al.), 436
- Lactogen, human placental, pregnancy-specific β<sub>1</sub>-glycoprotein, and human chorionic gonadotropin, interrelationships of, throughout normal human gestation (Braunstein et al.), 1205
- Laparoscopically verified acute salpingitis, Chlamydia trachomatis infection in patients with (Ripa et al.), 960

- Laparoscopy in diagnosis and management of patients with suspected salpingo-oophoritis (Ledger), 1012
- for infertility, treatment of endometriosis at (Sulewski et al.), 128 microbiology and pathogenesis of acute salpingitis as determined by:
- what is appropriate site to sample? (Sweet et al.), 985 of specimens obtained by, from controls and from patients with pelvic inflammatory disease or infertility with tubal obstruction: Chlamydia trachomatis and Ureaplasma urealyticum (Henry-Suchet et al.), 1022
- operative, technical progress in pelvic surgery via (Semm and Mettler), 121
- Laser, carbon dioxide, topical 5-fluorouracil and, biologic aspects and treatment with: Vaginal intraepithelial neoplasia (Petrilli et al.), 321
- Lecithin/sphingomyelin ratio in amniotic fluid obtained vaginally (Goldstein et al.), 232 (Comm. in brief)
  - lung fluid, effect of in utero intravenous administration of thyroxine and other hormones on, in fetal lamb (Nwosu et al.), 459 (Comm. in brief)
- Leiomyoma, uterine, L-5 radiculopathy secondary to, in primigravid patient (Heffernan, Fraser, and Purdy), 460 (Comm. in brief)
- Leukocytes, neutrophilic polymorphonuclear, morphologic and histochemical evidence for occurrence of collagenolysis and for role of, during cervical dilation (Junqueira et al.), 273
- Limb bones, fetal, ultrasound measurement of (Queenan, O'Brien, and Campbell), 297
- Lipopolysaccharide, gonococcal: toxin for human fallopian tube mu-
- cosa (Gregg, Melly, and McGee), 981 Low-income patients in urban hospital, acceptance of amniocentesis (Marion et al.), 11
- Lung fluid lecithin/sphingomyelin ratio, effect of in utero intravenous administration of thyroxine and other hormones on, in fetal lamb (Nwosu et al.), 459 (Comm. in brief)
- Lupus erythematosus, systemic, pregnancy and (Houser et al.), 409 Luteinizing hormone, follicle-stimulating hormone, progesterone, and estradiol- $17\beta$ , plasma, temporal relationships between ovulation and defined changes in concentration of. I. Probit analysis (World Health Organization Task Force), 383
  - -releasing hormone stimulation, repetitive, response to, in hypothalamic and pituitary disease (Wentz and Andersen), 364
- Lymph nodes, para-aortic, benign glandular inclusions in: Cause for false positive lymphangiography (Schneider, Walsh, and Goplerud), 350 (Comm. in brief) Lymphocyst, para-aortic (Helmkamp et al.), 395
- Lymphocytic thyroiditis, postpartum, in American women: Spectrum of thyroid dysfunction (Fein, Goldman, and Weintraub),

- Malacoplakia of female genital tract (Chalvardjian et al.), 391
- Malignancies, gestational trophoblastic, utility of assay of alpha subunit of human chorionic gonadotropin in management of (Quigley, Tyrey, and Hammond), 545
- Massachusetts, pelvic inflammatory disease among women presenting to emergency rooms of hospitals in (O'Hare, Fiumara, and McCormack), 909
- Masses, fetal cranial and craniocervical: Ultrasound characteristics and differential diagnosis (Sabbagha et al.), 511
- Maternal alcohol consumption, birth weight, and minor physical anomalies (Tennes and Blackard), 774
  - cigarette smoking, effects of, on fetal breathing and fetal movements (Thaler, Goodman, and Dawes), 282
  - obesity, and energy consumption, relation of, to infant size (Haworth et al.), 1185
- culturing, selective, to identify group B streptococcal infection (Pasnick, Mead, and Philip), 480
- dietary fat, effect of, on fetal pulmonary maturation in rats (Nelson et al.), 466 (Comm. in brief)
- and fetal immune responses to human trophoblast antigens (Taylor),
- plasma, cord blood, and amniotic fluid, analysis of, for human breast gross cystic disease fluid protein (Haagensen et al.), 25
- serum steroid concentrations, estimation of gestational age and: Total estriol (Penney), 745 versus neonatal transport: Perinatal transport to regional perinatal center in metropolitan area (Modanlou et al.), 1157

- Maternofetal electrical potential difference in conscious sheep: Effect of fetal death or acidosis (Weedon et al.), 422
- Maturation, changes in glycosaminoglycan composition of normal
- human placentas with (Wasserman et al.), 763 fetal pulmonary, effect of maternal dietary fat on, in rats (Nelson et al.), 466 (Comm. in brief)
- neurological, possible acceleration of, following high-risk pregnancy (Amiel-Tison), 303
- Medroxyprogesterone acetate, use of, for relief of climacteric symptoms (Morrison et al.), 99
- Membrane(s) antigenic type, same principal outer, gonococcal salpin-gitis is less likely to recur with Neisseria gonorrhoeae of (Buchanan et al.), 978
- fetal, are not involved in cortisol metabolism, evidence that: Study of dichorionic twin pregnancies (López Bernal et al.), 1168 premature rupture of, C-reactive protein as predictor of infectious morbidity with (Evans et al.), 648
- Meningitis, Streptococcus sanguis sepsis and: Complication of vacuum
- extraction (Heath et al.), 343 (Comm. in brief) Menopausal and chorionic gonadotropins, human, use of, for induc-
- tion of ovulation (Schwartz et al.), 801 Menorrhagia, endometrial changes after administration of gossypol for (Kuo-Fen et al.), 1227 (Comm. in brief)
- Menstruation, normal, hematocolpometra in presence of (Drake and O'Brien), 346 (Comm. in brief)
- presence of gap junctions in myometrium of women during various stages of (Garfield and Hayashi), 569
- Meperidine, brain uptake of, in fetal lamb (Szeto et al.), 528
- Metabolism, carbohydrate, with three months of low-estrogen contraceptive use (Spellacy, Buhi, and Birk), 151
- cortisol, evidence that fetal membranes are not involved in: Study of dichorionic twin pregnancies (López Bernal et al.), 1168
- prostaglandin, early steps in, in human placenta (Jarabak), 534 Metabolites, prostaglandin F<sub>2</sub> $\alpha$ , in plasma and urine during pseudopregnancy in rabbit (Satoh et al.), 748
- Metronidazole-resistant strains, three, of Trichomonas vaginalis from United States (Müller et al.), 808
- Metropolitan area, perinatal transport to regional perinatal center in: Maternal versus neonatal transport (Modanlou et al.), 1157
- Microbiologic techniques for diagnosis of pelvic inflammatory disease in developing countries (Osoba), 1091 Microbiology and pathogenesis of acute salpingitis as determined by
- laparoscopy: what is appropriate site to sample? (Sweet et al.), 985 of specimens obtained by laparoscopy from controls and from pa-
- tients with pelvic inflammatory disease or infertility with tubal obstruction: Chlamydia trachomatis and Ureaplasma urealyticum (Henry-Suchet et al.), 1022
- Microscopy, scanning electron, of attachment of Neisseria gonorrhoeae colony phenotypes to surfaces of human genital epithelia (Draper et al.), 818
- Midtrimester abortion induced by hyperosmolar urea and prostaglandin F20 in patients with previous cesarean section: Clinical course and potential for uterine rupture (Atienza, Burkman, and King), 55
- Modeling, in vitro, of acute salpingitis caused by Neisseria gonorrhoeae (Draper et al.), 996
- Molar pregnancy, hemodynamic observations in evacuation of (Cotton et al.), 6
- Monitoring fetal heart rate during intrauterine transfusion, modified technique for (Schifrin and Platt), 1220 (Comm. in brief) intrapartum fetal heart rate. IV. Observations on elective and
- nonelective fetal heart rate monitoring (Krebs et al.), 213
- nonstressed antepartum heart rate: Implications of decelerations after spontaneous contractions (Visser et al.), 429 trophoblastic disease: Evaluation of pregnancy-specific β<sub>1</sub>-glycopro-
- tein (O'Brien et al.), 313 Monolayer and suspension culture of human prolactin-secreting pitu-
- itary adenoma (Kletzky et al.), 660 Morbidity, infectious, C-reactive protein as predictor of, with premature rupture of membranes (Evans et al.), 648
- puerperal infectious: relationship to route of delivery and to an-tepartum Chlamydia trachomatis infection (Wager et al.),
- Morphine analgesia, epidural, in second-trimester induced abortion (Magora et al.), 260
- Morphologic and histochemical evidence for occurrence of collagenolysis and for role of neutrophilic polymorphonuclear leukocytes during cervical dilation (Junqueira et al.), 273

- Motility and viability, spermatozoal, effect of copper on, evaluated objectively with aid of multiple-exposure photography method (Makler and Zinder), 156
- Motion, perceptible fetal, clinical significance of (Rayburn), 210 Movements, fetal, fetal breathing and, effects of maternal cigarette
- smoking on (Thaler, Goodman, and Dawes), 282
- Mucosa, human fallopian tube, toxin for: gonococcal lipopolysaccharide (Gregg, Melly, and McGee), 981
- Muscle length (preload), inotropic state and, interaction of force-interval relationship with, II. Biophysics of developing
- heart (Anderson, Manring, and Crenshaw), 44

  Mycoplasma hominis and Chlamydia trachomatis, experimental pelvic inflammatory disease provoked by, in grivet monkeys (Møller, Freundt, and Mardh), 990
- Myomas of uterus in pregnancy: Ultrasonographic follow-up (Muram, Gillieson, and Walters), 16 Myometrial activity and sleep state and breathing, relationship be-
- tween, in fetal sheep throughout last third of gestation (Nathanielsz et al.), 653
- Myometrium of women, presence of gap junctions in, during various stages of menstruation (Garfield and Hayashi), 569

- Neisseria gonorrhoeae colony phenotypes, scanning electron microscopy of attachment of, to surfaces of human genital epithelia (Draper et al.), 818
  - of same principal outer membrane antigenic type, gonococcal salpingitis is less likely to recur with (Buchanan et al.), 978
- in vitro modeling of acute salpingitis caused by (Draper et al.), 996 Neonatal lamb, mechanisms of beat-to-beat variability in heart rate of. I. Influence of autonomic nervous system (Zugaib et al.),
  - II. Effects of hypoxia (Zugaib et al.), 453
- respiratory distress, intravenous dexamethasone for prevention of: Prospective controlled study (Young et al.), 203
- inhibitory concentrations in: Transplacental ampicillin (Kraybill, Chaney, and McCarthy), 793
- sinusoidal heart rate pattern, fetal and, significance of: Further clinical observations in Rh incompatibility (Elliott et al.), 227 (Comm. in brief)
- transport, maternal versus: Perinatal transport to regional perinatal center in metropolitan area (Modanlou et al.), 1157
- Neoplasia, gestational trophoblastic, late recurrences of (Vaughn, Surwit, and Hammond), 73
  - thyroid function in: Evidence that thyrotropic activity of chorionic gonadotropin mediates thyrotoxicosis of choriocar-cinoma (Nisula and Taliadouros), 77
- vaginal intraepithelial: Biologic aspects and treatment with topical 5-fluorouracil and carbon dioxide laser (Petrilli et al.), 321
- Nervous system, autonomic, influence of, I. Mechanisms of beat-tobeat variability in heart rate of neonatal lamb (Zugaib et al.), 444
- Neurological maturation, possible acceleration of, following high-risk pregnancy (Amiel-Tison), 303
- Neuropeptide vasoactive intestinal polypeptide, relaxation of human female genital sphincters by (Walles et al.), 337
- Neutrophilic polymorphonuclear leukocytes, morphologic and histochemical evidence for occurrence of collagenolysis and for role of, during cervical dilation (Junqueira et al.), 273 Newborn anthropometric data, comparative, in symmetric versus
- asymmetric intrauterine growth retardation (Crane and
- Nodes, para-aortic lymph, benign glandular inclusions in: Cause for false positive lymphangiography (Schneider, Walsh, and Goplerud), 350 (Comm. in brief)
- Nonstress testing (Weingold, Yonekura, and O'Kieffe), 195
- Northwestern University multihospital twin study. I. Description of 588 twin pregnancies and associated pregnancy loss, 1971 to 1975 (Keith et al.), 781

- Obesity, energy consumption, and cigarette smoking, maternal, relation of, to infant size (Haworth et al.), 1185
- Obstetric parameters, relationship of, to concentration of pregnancyassociated plasma protein A (Bischof, Hughes, and Klop-
- per), 494 ultrasound, Trendelenburg position for (Hill and Breckle), 1229 (Comm. in brief)

- Obstetrician's opportunity: Translating "breast is best" from theory to practice (Winikoff and Baer), 105 (Current developments)
- OCA, human ovarian tumor-associated antigen, study of ovarian cancer patients using radioimmunoassay for (Knauf and Urbach), 1222 (Comm. in brief)
- Oophorectomy, hysterectomy and, subdermal estradiol pellets following (Lobo et al.), 714
- Operations, second-look, in ovarian cancer (Schwartz and Smith), 1124 Operative laparoscopy, technical progress in pelvic surgery via (Semm and Mettler), 121
- Oral contraceptive-induced chorea (Kaplinsky, Thaler, and Frankl), 237 (Comm. in brief)
- and vaginal administration of estriol to postmenopausal women, plasma estriol and its conjugates following: Correlations with gonadotropin levels (Schiff et al.), 1137
- Ovarian artery blood flow, uterine and, in rhesus monkey near term (Abitbol, Demeter, and Benarosh), 414
- cancer, early primary diagnosis of, and detection of recurrence by serum cystine aminopeptidase assay (Kalinkov and Buchholz), 1148
  - patients, study of, using radioimmunoassay for human ovarian tumor-associated antigen OCA (Knauf and Urbach), 1222 (Comm. in brief)
- second-look operations in (Schwartz and Smith), 1124
- Stage I, role of adjuvant therapy in (Hreschyshyn et al.), 139
- disease, polycystic, incomplete 21-hydroxylase deficiency mimicking, adult manifestation of congenital adrenal hyperplasia due to (Lobo and Goebelsmann), 720
- progesterone receptor, Juman, evidence for (Jacobs, Suchocki, and Smith), 332
- Ovary, human, receptor-like binding proteins for testosterone and progesterone in (Milwidsky et al.), 93
- postmenopausal, steroid secretion by (Longcope, Hunter, and Franz), 564
- Oviduct and uterus, murine, bacterial clearance in, I. Host defenses in acute pelvic inflammatory disease (Chow, Carlson, and Sorrell), 1003
- Ovulation and defined changes in concentration of plasma estradiol-17β, luteinizing hormone, follicle-stimulating hormone, and progesterone, temporal relationships between. I. Probit analysis (World Health Organization Task Force), 383
- Oxytocin challenge test, blind, and perinatal outcome (Staisch, Westlake, and Bashore), 399
  levels, plasma, and disappearance rate after buccal Pitocin (Dawood, Ylikorkala, and Fuchs), 20

- Papers of Society for Gynecologic Investigation, 599-726
- Para-aortic lymph nodes, benign glandular inclusions in: Cause for false positive lymphangiography (Schneider, Walsh, and Goplerud), 350 (Comm. in brief)
- lymphocyst (Helmkamp et al.), 395 Pasteurella multocida septicemia and peritonitis, first reported case of, during pregnancy: Human pasteurellosis (Kam et al.), 351
- (Comm. in brief) Pasteurellosis, human: First reported case of Pasteurella multocida septicemia and peritonitis during pregnancy (Kam et al.), 351
- (Comm. in brief) Pathogenesis and microbiology of acute salpingitis as determined by laparoscopy: what is appropriate site to sample? (Sweet et
- al.). 985 Pelvic infections, acute, clinical aspects of progressive stages of
- (Cooperman and Ruiz), 1026 etiology of, treated by gynecologic service of Kasturba Hospital,
- Delhi, India (Kochar), 872 following gynecologic procedures in Bangladesh (Begum), 875 inflammatory disease, 1980 (St. John, Brown, and Tyler), 845 (Editorial)

  - acute, differential diagnosis of (Jacobson), 1006 host defenses in. I. Bacterial clearance in murine uterus and oviduct (Chow, Carlson, and Sorrell), 1003
    - incidence, prevalence, and trends of, and consequences in industrialized countries (Weström), 880
  - pattern of, in abortion-related admissions (Sinnathuray et al.), 868
  - among women presenting to emergency rooms of hospitals in Massachusetts (O'Hare, Fiumara, and McCormack), 909 and consequences in developing world (Muir and Belsey), 913 economic consequences of, in United States (Curran), 848

- Pelvic inflammatory disease-cont'd
  - etiologic factors in, in Sudanese women (Rushwan), 877
  - etiology of, and contraception: new perspectives (Senanayake and Kramer), 852
  - experimental, provoked by Chlamydia trachomatis and Mycoplasma hominis in grivet monkeys (Møller, Freundt, and Mårdh),
  - gonococcal: case-finding observations (Potterat et al.), 1101 infection in women with, in Lusaka, Zambia (Ratnam, Din, and Chatterjee), 965
  - and gonorrhea, trends for, in England and Wales and for gonorrhea in defined population (Adler), 901
  - or infertility with tubal obstruction, microbiology of specimens obtained by laparoscopy from controls and from patients with: Chlamydia trachomatis and Ureaplasma urealyticum (Henry-Suchet et al.), 1022
  - International Symposium on, 845-1112
  - microbiologic techniques for diagnosis of, in developing countries (Osoba), 1091
  - problems and approaches to control and surveillance of sexually transmitted agents associated with, in United States (Brown and Wiesner), 1096
    - in surveillance and control of sexually transmitted agents associated with, in Africa (Nsanze), 1088
    - proposals for surveillance and control of sexually transmitted diseases associated with, in South America (de la Torre), 1078
  - of surveillance and control of sexually transmitted agents associated with, in Far East (Rajan), 1071
  - and puerperal sepsis in Ethiopia. I. Etiology (Perine et al.), 969 II. Treatment (Duncan et al.), 1059
  - risk of, among users of intrauterine devices, irrespective of previous pregnancy (Osser, Liedholm, and Sjöberg), 864 and intrauterine device use (Burkman), 861
  - and salpingitis, frequency and distribution of, in short-stay hospitals in United States (Jones, Zaidi, and St. John), 905
  - surveillance, prevention, and control of sexually transmitted agents associated with (Meheus), 1064 treatment of (Rees), 1042
  - kidney, accidental puncture of: Rare complication of culdocentesis (Granat et al.), 233 (Comm. in brief)
  - surgery, technical progress in, via operative laparoscopy (Semm and Mettler), 121 (Clinical opinion)
- Perinatal distribution, human, of butorphanol (Pittman et al.), 797 outcome, blind oxytocin challenge test and (Staisch, Westlake, and
- Bashore), 399 transport to regional perinatal center in metropolitan area: Maternal versus neonatal transport (Modanlou et al.), 1157
- Peritonitis, Pasteurella multocida septicemia and, first reported case of, during pregnancy: Human pasteurellosis (Kam et al.), 351 (Comm. in brief)
- human and sheep chorion laeve, to glucose, β-hydroxybutyrate, and glycerol, comparison of (Seeds et al.), 604
- Peroxidase activity in glands and stroma of human endometrium (Holinka and Gurpide), 599
- Phenotypes, Neisseria gonorrhoeae colony, scanning electron microscopy of attachment of, to surfaces of human genital epithelia (Draper et al.), 818
- Phosphatidylglycerol, effect of blood in amniotic fluid on detection of (Strassner et al.), 697
- Photography method, multiple-exposure, effect of copper on spermatozoal motility and viability evaluated objectively with aid of (Makler and Zinder), 156
- Physical anomalies, minor, birth weight, and maternal alcohol consumption (Tennes and Blackard), 774
- Pitocin, buccal, plasma oxytocin levels and disappearance rate after (Dawood, Ylikorkala, and Fuchs), 20
- Pituitary adenoma, human prolactin-secreting, monolayer and sus-pension culture of (Kletzky et al.), 660 prolactin-secreting, use of thyrotropin-releasing hormone in dis-
- tinguishing (Marrs, Bertolli, and Kletzky), 620 disease, hypothalamic and, response to repetitive luteinizing hor-mone-releasing hormone stimulation in (Wentz and An-
- dersen), 364 function, anterior, impact of acute surgical stress on, in female sub-
- jects (Adashi et al.), 609 Placenta(s), diabetic and toxemic term, glycosaminoglycan patterns in (Wasserman et al.), 769

Placenta(s)-cont'd

human, early steps in prostaglandin metabolism in (Jarabak). 534 steroid concentrations and Δ<sup>5</sup>,3β-hydroxysteroid dehydrogenase activity in (Ferre et al.), 500

normal human, changes in glycosaminoglycan composition of, with maturation (Wasserman et al.), 763

Placental cells, human, in culture, effect of adrenergic agonists on progesterone production by (Caritis and Zeleznik), 677 and endometrial 17β-estradiol dehydrogenase, human, apparent immunologic nonidentity of (Marovitz et al.), 643

lactogen, human, pregnancy-specific \( \beta\_1\)-glycoprotein, and human chorionic gonadotropin, interrelationships of, throughout normal human gestation (Braunstein et al.), 1205

size during early pregnancy and fetal outcome: Preliminary report of sequential ultrasonographic study (Hoogland, de Haan, and Martin), 441

Planning, natural family, in Colombia, comparative evaluation of two methods of (Medina et al.), 1142

Plasma estradiol-17 $\beta$ , luteinizing hormone, follicle-stimulating hormone, and progesterone, temporal relationships between ovulation and defined changes in concentration of. I. Probit analysis (World Health Organization Task Force), 383

estriol and its conjugates following oral and vaginal administration of estriol to postmenopausal women: Correlations with go-nadotropin levels (Schiff et al.), 1137

incubated, of pregnant rabbits, increased pressor activity in (Katz, Gordon, and Creasy), 741

levels of deoxycorticosterone throughout pregnancy of normal women and women who developed pregnancy-induced hypertension, II. Hormone production during pregnancy in primigravid patient (Parker et al.), 626 maternal, cord blood, and amniotic fluid, analysis of, for human

breast gross cystic disease fluid protein (Haagensen et al.),

25

oxytocin levels and disappearance rate after buccal Pitocin (Dawood, Ylikorkala, and Fuchs), 20 protein A, pregnancy-associated, relationship of obstetric parame-

ters to concentration of (Bischof, Hughes, and Klopper),

and urine, prostaglandin F2α metabolites in, during pseudopregnancy in rabbit (Satoh et al.), 748

volume expansion in treatment of pre-eclampsia (Sehgal and Hitt), 165

Pneumonia, fatal influenzal, in pregnancy: Failure to demonstrate transplacental transmission of influenza virus (Ramphal, Donnelly, and Small), 347 (Comm. in brief)

Po2 measurement, continuous transcutaneous and continuous intravascular, comparison of, in fetal sheep (Jansen et al.),

Polycystic ovarian disease, incomplete 21-hydroxylase deficiency mimicking, adult manifestation of congenital adrenal hyperplasia due to (Lobo and Goebelsmann), 720

Polymorphonuclear leukocytes, neutrophilic, morphologic and histochemical evidence for occurrence of collagenolysis and for role of, during cervical dilation (Junqueira et al.),

Polypeptide, neuropeptide vasoactive intestinal, relaxation of human female genital sphincters by (Walles et al.), 337

Position, Trendelenburg, for obstetric ultrasound (Hill and Breckle), 1229 (Comm. in brief)

Postmenopausal ovary, steroid secretion by (Longcope, Hunter, and Franz), 564

women, benign cystic teratomas in (Gordon et al.), 1120

plasma estriol and its conjugates following oral and vaginal administration of estriol to: Correlations with gonadotropin levels (Schiff et al.), 1137

with and without endometrial carcinoma, serum sex hormonebinding globulin capacity and percentage of free estradiol in (Nisker et al.), 637

Postpartum lymphocytic thyroiditis in American women: Spectrum of thyroid dysfunction (Fein, Goldman, and Weintraub), 504

Postural blood pressure differences in pregnancy (Van Dongen et al.), Pre-eclampsia, plasma volume expansion in treatment of (Sehgal and

Hitt), 165 Pregnancy (pregnancies)-associated plasma protein A, relationship of obstetric parameters to concentration of (Bischof, Hughes, and Klopper), 494

Pregnancy (pregnancies)-cont'd

automated erythrocytopheresis for sickle cell anemia during (Kev et al.), 731

complicated by major hemoglobinopathy, red cell exchange in (Keeling et al.), 185

dichorionic twin, study of: Evidence that fetal membranes are not involved in cortisol metabolism (López Bernal et al.), 1168 early, placental size during, and fetal outcome: Preliminary report of

sequential ultrasonographic study (Hoogland, de Haan, and Martin), 441 tularemia immunization in (Albrecht, Cefalo, and O'Brien), 1226

(Comm. in brief) electrocardiographic changes induced by suction curettage for elec-

tive termination of (Mabee, Dunn, and Sherrer), 181 fatal influenzal pneumonia in: Failure to demonstrate transplacental transmission of influenza virus (Ramphal, Donnelly, and Small), 347 (Comm. in brief)

first reported case of Pasteurella multocida septicemia and peritonitis during: Human pasteurellosis (Kam et al.), 351 (Comm. in brief)

high-risk, possible acceleration of neurological maturation following (Amiel-Tison), 303

hormone production during, in primigravid patient. II. Plasma levels of deoxycorticosterone throughout pregnancy of normal women and women who developed pregnancyinduced hypertension (Parker et al.), 626

human, prolactin and renin-aldosterone axis in (Ho Yuen and Korn), 738

hypertensive, fluorescein angiography in (Donkers and Jansonius), 461 (Comm. in brief) molar, hemodynamic observations in evacuation of (Cotton et al.), 6

myomas of uterus in: Ultrasonographic follow-up (Muram, Gillieson, and Walters), 16 outcome of, in sickle cell anemia and sickle cell-hemoglobin C dis-

ease (Milner, Jones, and Döbler), 239

postural blood pressure differences in (Van Dongen et al.), 1 previous, risk of pelvic inflammatory disease among users of intrauterine devices, irrespective of (Osser, Liedholm, and Sjöberg), 864

-specific β<sub>1</sub>-glycoprotein, evaluation of: Trophoblastic disease monitoring (O'Brien et al.), 313

human chorionic gonadotropin, and human placental lactogen, interrelationships of, throughout normal human gestation (Braunstein et al.), 1205

as prognostic indicator in complications of early pregnancy (Ho and Jones), 253

surgery during, and fetal outcome (Brodsky et al.), 1165

and systemic lupus erythematosus (Houser et al.), 409

588 twin, and associated pregnancy loss, description of, 1971 to 1975, I. Northwestern University multihospital twin study (Keith et al.), 781

twin, sonar cephalometry in: Discordancy of biparietal diameter after 28 weeks' gestation (Leveno et al.), 615

Pregnant guinea pig, unstressed, distribution of cardiac output in (Peeters, Grutters, and Martin), 1177

rabbits, increased pressor activity in incubated plasma of (Katz, Gordon, and Creasy), 741

Premature labor, estimation of success in treatment of: Applicability of prolongation index in double-blind, controlled, randomized trial (Penney and Daniell), 345 (Comm. in brief)

threatened, suppression of, by administration of cortisol and 17α-hydroxyprogesterone caproate: Comparison with ritodrine (Kauppila et al.), 404

rupture of membranes, C-reactive protein as predictor of infectious morbidity with (Evans et al.), 648 Prenatal determination of female fetus by ultrasound: "Female echo"

(Schotten and Giese), 463 (Comm. in brief) Pressor activity, increased, in incubated plasma of pregnant rabbits

(Katz, Gordon, and Creasy), 741 Primigravid patient, L-5 radiculopathy secondary to uterine leiomyoma in (Heffernan, Fraser, and Purdy), 460 (Comm. in

brief hormone production during pregnancy in. II. Plasma levels of deoxycorticosterone throughout pregnancy of normal women and women who developed pregnancy-induced hy-

pertension (Parker et al.), 626 Progestational steroids, suppression of human chorionic gonadotropin by (Wilson, Jawad, and Dickson), 708

- Progesterone, estradiol-17β, luteinizing hormone, and folliclestimulating hormone, plasma, temporal relationships between ovulation and defined changes in concentration of. I. Probit analysis (World Health Organization Task Force), 383
- production by human placental cells in culture, effect of adrenergic agonists on (Caritis and Zeleznik), 677
- receptor, human ovarian, evidence for (Jacobs, Suchocki, and Smith), 332
- testosterone and, receptor-like binding proteins for, in human ovary (Milwidsky et al.), 93
- Progestogen-dependent endometrial protein in women: Tissue concentration in relation to developmental stage and to serum hormone levels (Joshi et al.), 1131
- Prolactin, decidual production of, in late gestation: Further evidence for decidual source of amniotic fluid prolactin (Rosenberg, Maslar, and Riddick), 681
- level, stable, after enhanced estradiol production following dehydroepiandrosterone sulfate (Kauppila and Ylikorkala), 271
- droepiandrosterone sulfate (Kauppila and Ylikorkala), 271 modulation of dehydroepiandrosterone sulfate secretion (Lobo et al.), 632
- production, stimulatory activity of serum on, by human decidua (Luciano et al.), 665
- and renin-aldosterone axis in human pregnancy (Ho Yuen and Korn), 738
- -secreting pituitary adenoma, human, monolayer and suspension culture of (Kletzky et al.), 660
- use of thyrotropin-releasing hormone in distinguishing (Marrs, Bertolli, and Kletzky), 620
- Prolapsed umbilical cord into abdominal cavity in women with previous cesarean section (Lenke and Osterkamp), 1224 (Comm. in brief)
- Prolongation index, applicability of, in double-blind, controlled, randomized trial: Estimation of success in treatment of premature labor (Penney and Daniell), 345 (Comm. in brief)
- Prostaglandin E<sub>2</sub>, vaginal, uterine rupture at term with (Valenzuela et al.), 1223 (Comm. in brief)
- F<sub>2</sub>α, hyperosmolar urea and, midtrimester abortion induced by, in patients with previous cesarean section: Clinical course and potential for uterine rupture (Atienza, Burkman, and King), 55
- metabolites in plasma and urine during pseudopregnancy in rabbit (Satoh et al.), 748
- metabolism, early steps in, in human placenta (Jarabak), 534 Protein(s) A, pregnancy-associated plasma, relationship of obstetric parameters to concentration of (Bischof, Hughes, and
- Klopper), 494 C-reactive, as predictor of infectious morbidity with premature rup-
- ture of membranes (Evans et al.), 648 human breast gross cystic disease fluid, analysis of amniotic fluid, maternal plasma, and cord blood for (Haagensen et al.),
- progestogen-dependent endometrial, in women: Tissue concentration in relation to developmental stage and to serum hormone levels (Joshi et al.), 1131
- receptor-like binding, for testosterone and progesterone in human ovary (Milwidsky et al.), 93
- Pseudocyesis and sonography (Guzinski and Conrad), 230 (Comm. in brief)
- Pseudopregnancy, prostaglandin F<sub>2</sub>α metabolites in plasma and urine during, in rabbit (Satoh et al.), 748
- Puerperal infectious morbidity: relationship to route of delivery and to antepartum *Chlamydia trachomatis* infection (Wager et al.), 1028
- sepsis, group B streptococcus and (Faro), 1219 (Comm. in brief) and pelvic inflammatory disease in Ethiopia. I. Etiology (Perine et al.), 969
- II. Treatment (Duncan et al.), 1059
- Pulmonary fibroleiomyomas, multiple (Tedeschi), 468 (Comm. in brief)
  - maturation, fetal, effect of maternal dietary fat on, in rats (Nelson et al.), 466 (Comm. in brief)
    - .
- Radical hysterectomy, effect of, on bladder physiology (Forney), 374 site of recurrence of cervical cancer after (Webb and Symmonds), 813

- Radiculopathy, L-5, secondary to uterine leiomyoma in primigravid patient (Heffernan, Fraser, and Purdy), 460 (Comm. in brief)
- Radioimmunoassay for human ovarian tumor-associated antigen OCA, study of ovarian cancer patients using (Knauf and Urbach), 1222 (Comm. in brief)
- Radiotherapy, significance of residual disease after, in endometrial carcinoma: Clinicopathologic correlation (Macasaet et al.), 557
- Real-time ultrasonography in evaluation of urinary stress incontinence (White et al.), 235 (Comm. in brief)
- Receptor, human ovarian progesterone, evidence for (Jacobs, Suchocki, and Smith), 332
- -like binding proteins for testosterone and progesterone in human ovary (Milwidsky et al.), 93
- Red cell exchange in pregnancy complicated by major hemoglobinopathy (Keeling et al.), 185
- Releasing hormone, luteinizing hormone-, stimulation, repetitive, response to, in hypothalamic and pituitary disease (Wentz and Andersen), 364
- thyrotropin-, hormone, use of, in distinguishing prolactin-secreting adenoma (Marrs, Bertolli, and Kletzky), 620
- Renal agenesis, ipsilateral, obstructed hemivagina and, double uterus associated with (Rock and Jones), 339
- Renin-aldosterone axis, prolactin and, in human pregnancy (Ho Yuen and Korn), 738
- Respiratory distress, neonatal, intravenous dexamethasone for prevention of: Prospective controlled study (Young et al.), 203
- Rh incompatibility, further clinical observations in: Significance of fetal and neonatal sinusoidal heart rate pattern (Elliott et al.), 227 (Comm. in brief)
- Ring sterilization, tubal, technical failures in: Incidence, perceived reasons, outcome, and risk factors (Chi, Mumford, and Laufe),
- Ritodrine, comparison with: Suppression of threatened premature labor by administration of cortisol and  $17\alpha$ -hydroxyprogesterone caproate (Kauppila et al.), 404
- infusion, blood anions and electrolytes during, in preterm labor (Kirkpatrick, Quenon, and Desir), 523
- Rupture, premature, of membranes, C-reactive protein as predictor of infectious morbidity with (Evans et al.), 648
- uterine, clinical course and potential for: Midtrimester abortion induced by hyperosmolar urea and prostaglandin F<sub>sα</sub> in patients with previous cesarean section (Atienza, Burkman, and King), 55
  - at term with vaginal prostaglandin E<sub>2</sub> (Valenzuela et al.), 1223 (Comm. in brief)
    - S
- Sacral colpopexy, abdominal (Cowan and Morgan), 348 (Comm. in brief)
- Sacroiliitis in women—late sequela to acute salpingitis (Hagenfeldt and Szanto), 1039
- Salpingitis, acute, caused by Neisseria gonorrhoeae, in vitro modeling of (Draper et al.), 996
  - Chlamydia trachomatis in (Paavonen), 957
  - computer-assisted analysis of therapy of (Bell and James), 1048 differences in some clinical and laboratory parameters in, related to culture and serologic findings (Svensson et al.), 1017
  - late sequela to—sacroiliitis in women (Hagenfeldt and Szanto),
  - microbiology and pathogenesis of, as determined by laparoscopy: what is appropriate site to sample? (Sweet et al.), 985
  - experimental chlamydial, in guinea pig (Sweet et al.), 952 gonococcal, is less likely to recur with *Neisseria gonorrhoeae* of same principal outer membrane antigenic type (Buchanan et al.), 978
  - infectious agents of, their biology, and recent advances in methods of detection, overview of (Mardh), 933
  - laparoscopically verified acute, Chlamydia trachomatis infection in patients with (Ripa et al.), 960
  - overview of etiology and epidemiology (Holmes, Eschenbach, and
  - Knapp), 893 and pelvic inflammatory disease, frequency and distribution of, in short-stay hospitals in United States (Jones, Zaidi, and St. John), 905
- Salpingo-oophoritis, suspected, laparoscopy in diagnosis and management of patients with (Ledger), 1012

- Sample, what is appropriate site to? microbiology and pathogenesis of acute salpingitis as determined by laparoscopy (Sweet et al.),
- Scanning electron microscopy of attachment of Neisseria gonorrhoeae colony phenotypes to surfaces of human genital epithelia (Draper et al.), 818
- Scoring system, simplified intrapartum numerical (Morrison et al.), 175
- Secreting, prolactin-, pituitary adenoma, human, monolayer and suspension culture of (Kletzky et al.), 660
  - use of thyrotropin-releasing hormone in distinguishing (Marrs, Bertolli, and Kletzky), 620
- Secretion, dehydroepiandrosterone sulfate, prolactin modulation of (Lobo et al.), 632
- steroid, by postmenopausal ovary (Longcope, Hunter, and Franz),
- Sepsis, puerperal, group B streptococcus and (Faro), 1219 (Comm. in brief)
  - and pelvic inflammatory disease in Ethiopia. 1. Etiology (Perine et al.), 969
    - II. Treatment (Duncan et al.), 1059
- Streptococcus sanguis, and meningitis: Complication of vacuum extraction (Heath et al.), 343 (Comm. in brief)
- Septicemia, Pasteurella multocida, and peritonitis, first reported case of, during pregnancy: Human pasteurellosis (Kam et al.), 351 (Comm. in brief)
- Serologic and culture findings, differences in some clinical and laboratory parameters in acute salpingitis related to (Svensson et
- Serum cystine aminopeptidase assay, early primary diagnosis of ovarian cancer and detection of recurrence by (Kalinkov and Buchholz), 1148
- hormone levels, tissue concentration in relation to developmental stage and to: Progestogen-dependent endometrial protein in women (Johsi et al.), 1131
- neonatal, inhibitory concentrations in: Transplacental ampicillin (Kraybill, Chaney, and McCarthy), 793
- sex hormone-binding globulin capacity and percentage of free estradiol in postmenopausal women with and without endo-metrial carcinoma (Nisker et al.), 637
- steroid concentrations, maternal, estimation of gestational age and: Total estriol (Penney), 745
- stimulatory activity of, on prolactin production by human decidua (Luciano et al.), 665
- Sex hormone-binding globulin capacity, serum, and percentage of free estradiol in postmenopausal women with and without endometrial carcinoma (Nisker et al.), 637
- Sexually transmitted agents associated with pelvic inflammatory disease, problems and approaches to control and surveillance of, in United States (Brown and Wiesner), 1096
  - in surveillance and control of, in Africa (Nsanze), 1088 in Far East, problems of surveillance and control of (Rajan),
  - diseases associated with pelvic inflammatory disease in South America, problems and proposals for control and surveil-
  - lance of (de la Torre), 1078 problem(s)-oriented gynecology clinic for patients with (Spence, Smith, and Vaeth), 1109
    - and approaches in surveillance and control of: Cuban experience (Werthen, Abreu, and Valdes-Vivo), 1082
- Sickle cell anemia, automated erythrocytopheresis for, during preg-nancy (Key et al.), 731
  - and sickle cell-hemoglobin C disease, outcome of pregnancy in (Milner, Jones, and Döbler), 239
- Sinusoidal heart rate pattern, fetal and neonatal, significance of: Further clinical observations in Rh incompatibility (Elliott et al.), 227 (Comm. in brief)
- Sleep state and breathing, myometrial activity and, relationship be-tween, in fetal sheep throughout last third of gestation (Nathanielsz et al.), 653
- Smoking, cigarette, obesity, and energy consumption, maternal, relation of, to infant size (Haworth et al.), 1185
- maternal cigarette, effects of, on fetal breathing and fetal movements (Thaler, Goodman, and Dawes), 282
- Society for Gynecologic Investigation, papers of, 599-726 Solution, cefamandole nafate, intrauterine irrigation with, at cesarean
- section: Preliminary report (Long, Rudd, and Dillon), 755 Sonar cephalometry in twin pregnancy: Discordancy of biparietal diameter after 28 weeks' gestation (Leveno et al.), 615

- Sonar -cont'd
  - fetal abdominal circumference measurements, percentile ranks of (Tamura and Sabbagha), 475 (Clinical opinion)
- Sonography, pseudocyesis and (Guzinski and Conrad), 230 (Comm. in
- South America, problems and proposals for surveillance and control of sexually transmitted diseases associated with pelvic inflammatory disease in (de la Torre), 1078

  Spermatozoal motility and viability, effect of copper on, evaluated objectively with aid of multiple-exposure photography
- method (Makler and Zinder), 156
- Sphincters, human female genital, relaxation of, by neuropeptide vasoactive intestinal polypeptide (Walles et al.), 337
- Sphingomyelin, lecithin/, ratio in amniotic fluid obtained vaginally (Goldstein et al.), 232 (Comm. in brief)
  - lung fluid, effect of in utero intravenous administration of thyroxine and other hormones on, in fetal lamb (Nwosu et al.), 459 (Comm. in brief)
- Standing cystometrogram (Weprin and Zuspan), 369
- Sterilization, tubal lesions subsequent to, and their relation to fertility after attempts at reversal (Vasquez et al.), 86
  - ring, technical failures in: Incidence, perceived reasons, outcome, and risk factors (Chi, Mumford, and Laufe), 307
- Steroid(s) concentrations and Δ5,3β-hydroxysteroid dehydrogenase activity in human placenta (Ferre et al.), 500
  - maternal serum, estimation of gestational age and: Total estriol (Penney), 745
- progestational, suppression of human chorionic gonadotropin by (Wilson, Jawad, and Dickson), 708
- secretion by postmenopausal ovary (Longcope, Hunter, and Franz), 564
- Strength, contraction, measure of, in labor: Area and amplitude (Seitchik), 727
- Streptococcal infection, group B, selective maternal culturing to identify (Pasnick, Mead, and Philip), 480
- Streptococcus, group B, and puerperal sepsis (Faro), 1219 (Comm. in brief)
- sanguis sepsis and meningitis: Complication of vacuum extraction (Heath et al.), 343 (Comm. in brief) Stress, acute surgical, impact of, on anterior pituitary function in fe-
- male subjects (Adashi et al.), 609 incontinence, urinary, real-time ultrasonography in evaluation of
- (White et al.), 235 (Comm. in brief)
- Stressed (non-) antepartum heart rate monitoring: Implications of decelerations after spontaneous contractions (Visser et al.),
- (un-) pregnant guinea pig, distribution of cardiac output in (Peeters, Grutters, and Martin), 1177
- Stroma, glands and, of human endometrium, peroxidase activity in (Holinka and Gurpide), 599
- Subdermal estradiol pellets following hysterectomy and oophorectomy (Lobo et al.), 714
- Suction curettage for elective termination of pregnancy, electrocardiographic changes induced by (Mabee, Dunn, and Sherrer), 181
- Sudanese women, etiologic factors in pelvic inflammatory disease in (Rushwan), 877
- Surgery during pregnancy and fetal outcome (Brodsky et al.), 1165 pelvic, technical progress in, via operative laparoscopy (Semm and Mettler), 121 (Clinical opinion)
- Surgical stress, acute, impact of, on anterior pituitary function in female subjects (Adashi et al.), 609
- Survival in patients and matched controls, comparison of: Granulosa cell tumors (Björkholm), 329
- Suspension culture, monolayer and, of human prolactin-secreting pituitary adenoma (Kletzky et al.), 660
- Syndrome, Fitz-Hugh-Curtis, Chlamydia trachomatis infection in (Wager et al.), 1034
- Systemic lupus erythematosus, pregnancy and (Houser et al.), 409

- Tachyphylaxis, stimulus summation and, in estrogen response in sheep (Clewell, Stys, and Meschia), 485
- Teratomas, benign cystic, in postmenopausal women (Gordon et al.), 1120
- Term (pre-) labor, blood anions and electrolytes during ritodrine infusion in (Kirkpatrick, Quenon, and Desir), 523
- placentas, diabetic and toxemic, glycosaminoglycan patterns in (Wasserman et al.), 769

Term-cont'd

uterine and ovarian artery blood flow in rhesus monkey near (Abitbol, Demeter, and Benarosh), 414 rupture at, with vaginal prostaglandin E2 (Valenzuela et al.), 1223

(Comm. in brief)

Test, blind oxytocin challenge, and perinatal outcome (Staisch, Westlake, and Bashore), 399

Testing, antepartum fetal heart rate, alternative to (Rayburn et al.), 223 (Current investigation)

nonstress (Weingold, Yonekura, and O'Kieffe), 195

Testosterone and progesterone, receptor-like binding proteins for, in human ovary (Milwidsky et al.), 93

Thyroid dysfunction, spectrum of: Postpartum lymphocytic thyroiditis in American women (Fein, Goldman, and Weintraub), 504 function in gestational trophoblastic neoplasia: Evidence that thy-

rotropic activity of chorionic gonadotropin mediates thy-rotoxicosis of choriocarcinoma (Nisula and Taliadouros),

Thyroiditis, postpartum lymphocytic, in American women: Spectrum of thyroid dysfunction (Fein, Goldman, and Weintraub), 504

Thyrotoxicosis of choriocarcinoma, evidence that thyrotropic activity of chorionic gonadotropin mediates: Thyroid function in gestational trophoblastic neoplasia (Nisula and Taliadouros), 77

Thyrotropic activity of chorionic gonadotropin mediates thyrotoxicosis of choriocarcinoma, evidence that: Thyroid function in gestational trophoblastic neoplasia (Nisula and Taliadouros),

Thyrotropin-releasing hormone, use of, in distinguishing prolactinsecreting adenoma (Marrs, Bertolli, and Kletzky), 620

Thyroxine and other hormones, effect of in utero intravenous administration of, on lung fluid lecithin/sphingomyelin ratio in fetal lamb (Nwosu et al.), 459 (Comm. in brief)

Time-lapse study of normal human trophoblast in vitro (Lueck and Aladjem), 288

Tissue concentration in relation to developmental stage and to serum hormone levels: Progestogen-dependent endometrial protein in women (Joshi et al.), 1131

Topical 5-fluorouracil and carbon dioxide laser, biologic aspects and treatment with: Vaginal intraepithelial neoplasia (Petrilli et al.), 321

Toxemia, severe, hemodynamics in patients with, during labor and delivery (Rafferty and Berkowitz), 263

Toxemic term placentas, diabetic and, glycosaminoglycan patterns in (Wasserman et al.), 769

Toxin for human fallopian tube mucosa: gonococcal lipopolysac-charide (Gregg, Melly, and McGee), 981

Toxoplasmosis, congenital, what can be done to prevent (Wilson and Remington), 357 (Clinical opinion)

Transcutaneous, continuous, and continuous intravascular Po<sub>2</sub> measurement, comparison of, in fetal sheep (Jansen et al.), 670

Transfusion(s), intrauterine, modified technique for monitoring fetal heart rate during (Schifrin and Platt), 1220 (Comm. in

ultrasound-facilitated (Acker et al.), 1200

Transplacental ampicillin: Inhibitory concentrations in neonatal serum (Kraybill, Chaney, and McCarthy), 793 transmission of influenza virus, failure to demonstrate: Fatal

influenzal pneumonia in pregnancy (Ramphal, Donnelly, and Small), 347 (Comm. in brief)

Transport, perinatal, to regional perinatal center in metropolitan area: Maternal versus neonatal transport (Modanlou et al.), 1157 Trendelenburg position for obstetric ultrasound (Hill and Breckle),

1229 (Comm. in brief)

Triacylglycerol lipase activity, characterization of, in human amniotic fluid (Merger et al.), 68

Trichomonas vaginalis, three metronidazole-resistant strains of, from United States (Müller et al.), 808 Trimester, first-, fetal chromosomal diagnosis using endocervical lav-

age: Negative evaluation (Goldberg et al.), 436 second-, induced abortion, epidural morphine analgesia in (Magora

et al.), 260 Tritiated water exchange in human uterine cavity (Azar, Bernstein,

and Shaw), 833 Trophoblast antigens, human, maternal and fetal immune responses to (Taylor), 293

normal human, time-lapse study of, in vitro (Lueck and Aladjem), 288

Trophoblastic disease monitoring: Evaluation of pregnancy-specific  $\beta_1$ -glycoprotein (O'Brien et al.), 313

malignancies, gestational, utility of assay of alpha subunit of human chorionic gonadotropin in management of (Quigley, Tyrey, and Hammond), 545

neoplasia, gestational, late recurrences of (Vaughn, Surwit, and Hammond), 73

thyroid function in: Evidence that thyrotropic activity of chorionic gonadotropin mediates thyrotoxicosis of choriocarcinoma (Nisula and Taliadouros), 77 Tubal lesions subsequent to sterilization and their relation to fertility

after attempts at reversal (Vasquez et al.), 86

obstruction, microbiology of specimens obtained by laparoscopy from controls and from patients with pelvic inflammatory disease and infertility with: Chlamydia trachomatis and Ureaplasma urealyticum (Henry-Suchet et al.), 1022

ring sterilization, technical failures in: Incidence, perceived reasons, outcome, and risk factors (Chi, Mumford, and Laufe), 307 Tube mucosa, human fallopian, toxin for: gonococcal lipopolysac-

charide (Gregg, Melly, and McGee), 981 Tuberculosis, genital, in women (Falk, Ludviksson, and Agren), 974

Tuboovarian abscess, contraceptive practice and (Edelman and Berger), 541

retrospective review (Ginsburg et al.), 1055

Tularemia immunization in early pregnancy (Albrecht, Cefalo, and O'Brien), 1226 (Comm. in brief)

Tumor(s), granulosa cell: Comparison of survival in patients and matched controls (Björkholm), 329

Tumor, human ovarian, -associated antigen OCA, study of ovarian cancer patients using radioimmunoassay for (Knauf and Urbach), 1222 (Comm. in brief)

Twin gestations, genetic amniocentesis in (Elias et al.), 169 pregnancy (pregnancies), dichorionic, study of: Evidence that fetal

membranes are not involved in cortisol metabolism (López Bernal et al.), 1168 sonar cephalometry in: Discordancy of biparietal diameter after

28 weeks' gestation (Leveno et al.), 615

study, Northwestern University multihospital. I. Description of 588 twin pregnancies and associated pregnancy loss, 1971 to 1975 (Keith et al.), 781

## U

Uganda, rural, gonorrhea and female infertility in (Arya, Taber, and Nsanze), 929

Ultrasonic diagnosis of excessive fetal growth, detection of gestational diabetes by means of (Grandjean et al.), 790

Ultrasonographic biparietal diameters, serial, for prediction of esti-mated date of confinement (O'Brien, Coddington, and Cefalo), 467 (Comm. in brief)

diagnosis of fetal cystic hygroma (O'Brien, Cefalo, and Bair), 464 (Comm. in brief)

follow-up: Myomas of uterus in pregnancy (Muram, Gillieson, and Walters), 16

study, sequential, preliminary report of: Placental size during early pregnancy and fetal outcome (Hoogland, de Haan, and Martin), 441

Ultrasonography, real-time, in evaluation of urinary stress inconti-nence (White et al.), 235 (Comm. in brief)

Ultrasound characteristics and differential diagnosis: Fetal cranial and craniocervical masses (Sabbagha et al.), 511

-facilitated intrauterine transfusions (Acker et al.), 1200 measurement of fetal limb bones (Queenan, O'Brien, and Campbell), 297

obstetric, Trendelenburg position for (Hill and Breckle), 1229 (Comm. in brief)

prenatal determination of female fetus by: "Female echo" (Schotten and Giese), 463 (Comm. in brief)

Umbilical blood flow response to embolization of uterine circulation (Clapp et al.), 60

cord, prolapsed, into abdominal cavity in woman with previous cesarean section (Lenke and Osterkamp), 1224 (Comm. in

pure fetal blood from, obtained at fetoscopy: Experience with 125

consecutive cases (MacKenzie and Maclean), 1214 venous blood flow and its distribution before and during autonomic blockade in fetal lambs (Edelstone et al.), 703

United States, economic consequences of pelvic inflammatory disease in (Curran), 848

United States-cont'd

- frequency and distribution of salpingitis and pelvic inflammatory disease in short-stay hospitals in (Jones, Zaidi, and St. John),
- problems and approaches to control and surveillance of sexually transmitted agents associated with pelvic inflammatory disease in (Brown and Wiesner), 1096
- three metronidazole-resistant strains of Trichomonas vaginalis from (Müller et al.), 808
- Urban hospital, acceptance of amniocentesis by low-income patients in (Marion et al.), 11
- Urea, hyperosmolar, and prostaglandin  $F_{2}\alpha$ , midtrimester abortion induced by, in patients with previous cesarean section: Clinical course and potential for uterine rupture (Atienza,
- Burkman, and King), 55 Urinary bladder fullness, effect of, on fundal height measurements (Worthen and Bustillo), 759
- stress incontinence, real-time ultrasonography in evaluation of (White et al.), 235 (Comm. in brief)
- Urine, plasma and, prostaglandin F<sub>2</sub>α metabolites in, during pseudopregnancy in rabbit (Satoh et al.), 748
- Uterine cavity, human, tritiated water exchange in (Azar, Bernstein, and Shaw), 833
- circulation, umbilical blood flow response to embolization of (Clapp et al.), 60
- leiomyoma, L-5 radiculopathy secondary to, in primigravid patient (Heffernan, Fraser, and Purdy), 460 (Comm. in brief)
- and ovarian artery blood flow in rhesus monkey near term (Abitbol, Demeter, and Benarosh), 414
- rupture, clinical course and potential for: Midtrimester abortion induced by hyperosmolar urea and prostaglandin  $F_{2\alpha}$  in patients with previous cesarean section (Atienza, Burkman, and King), 55
  - at term with vaginal prostaglandin E2 (Valenzuela et al.), 1223 (Comm. in brief)
- Utero, fetal death in, diagnosis of, with amniotic fluid creatine kinase (Stempel and Lott), 1173
- intravenous administration in, of thyroxine and other hormones, effect of, on lung fluid lecithin/sphingomyelin ratio in fetal lamb (Nwosu et al.), 459 (Comm. in brief)
- Uterus, double, associated with obstructed hemivagina and ipsilateral
  - renal agenesis (Rock and Jones), 339 (Macaca mulatta), primate, biorhythms of, during labor and delivery (Harbert and Spisso), 686 myomas of, in pregnancy: Ultrasonographic follow-up (Muram, Gil-
- lieson, and Walters), 16 and oviduct, murine, bacterial clearance in, I. Host defenses in acute
- pelvic inflammatory disease (Chow, Carlson, and Sorrell),

Vacuum extraction, complication of: Streptococcus sanguis sepsis and meningitis (Heath et al.), 343 (Comm. in brief)

- Vaginal administration, oral and, of estriol to postmenopausal women, plasma estriol and its conjugates following: Correlations with gonadotropin levels (Schiff et al.), 1137
- intraepithelial neoplasia: Biologic aspects and treatment with topical 5-fluorouracil and carbon dioxide laser (Petrilli et al.), 321 prostaglandin E2, uterine rupture at term with (Valenzuela et al.),
- 1223 (Comm. in brief) Vaginally, lecithin/sphingomyelin ratio in amniotic fluid obtained (Goldstein et al.), 232 (Comm. in brief)
- Variability, beat-to-beat, heart rate and, analysis of: Interval difference index (van Geijn et al.), 246
  - mechanisms of, in heart rate of neonatal lamb. I. Influence of autonomic nervous system (Zugaib et al.), 444 II. Effects of hypoxia (Zugaib et al.), 453
- Vasoactive intestinal polypeptide, neuropeptide, relaxation of human female genital sphincters by (Walles et al.), 337
- Venous blood flow, umbilical, and its distribution before and during autonomic blockade in fetal lambs (Edelstone et al.), 703
- Viability, spermatozoal motility and, effect of copper on, evaluated objectively with aid of multiple-exposure photography method (Makler and Zinder), 156
- Virus, influenza, failure to demonstrate transplacental transmission of: Fatal influenzal pneumonia in pregnancy (Ramphal, Donnelly, and Small), 347 (Comm. in brief)
- Vulvar cancer, progressive histobiologic alterations in development of (Buscema and Woodruff), 146

- Wales and England, trends for gonorrhea and pelvic inflammatory disease in, and for gonorrhea in defined population (Adler), 901
- Water exchange, tritiated, in human uterine cavity (Azar, Bernstein, and Shaw), 833
- Weight(s), birth, at high altitude, re-evaluation of (Cotton et al.), 220 minor physical anomalies, and maternal alcohol consumption (Tennes and Blackard), 774
- World, developing, pelvic inflammatory disease and consequences in (Muir and Belsey), 913

XY gonadal dysgenesis in three siblings (Phansey et al.), 133

Young infertile patients with unsuspected endometrial adenocarcinoma, hysterosalpingography in (Menczer, Frenkel, and Serr), 352 (Comm. in brief)

Zambia, Lusaka, gonococcal infection in women with pelvic inflammatory disease in (Ratnam, Din, and Chatterjee), 965

